

agtotttgaa aaacttttgt gaagaaaatg gaattcatca catnttttct gccccaagaa 360
 caacttagta gaatg 375

<210> 14221
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 14221

agcttagtan agctaggcac taacaggaag tgttggtgat ataccaatta anactaaacc 60
 caacaaaata caacttttgggt gtgaagtcgg agaagctggt atgattttatc gtaagtcaga 120
 aggggataga gatagatccc gagatagtga aggccatcct tganatgcgg gaaccacgca 180
 cagagaagca tagtcggggg tttctgggca cgttgaatta tctcggcaga tttatctcgc 240
 aactcacctc tactgttgag ccgcatttta agctattacg taagaaccag ggggtcctgt 300
 ggaacagtta ctgcatagag gccttctaga agatcaaaca gagtctcac 349

<210> 14222
 <211> 174
 <212> DNA
 <213> Glycine max

<400> 14222

gcttatgaca atlagaaatt ctctttatct tcggatgaat taatttgatc ggctcgatat 60
 attataagtc tgaatcggac ctactgtga aaagttatga ccatttgaat tttttgagag 120
 attcctgtgt ttgagatttc gagcgtctag atatattatg cgcctgaatt tgac 174

<210> 14223
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unknown at all n locations
 <400> 14223

agcttgatc ttcatgccag atactttcct tttctttct ttttaaatagt ggattgtgca 60
 gaacaaggca aaaaaaagaa aagtagcgt aaactttcgc ttttaataaa tatttttaat 120
 ttaataaaat tttaaaatc aaagtgcacaa attatcatc atttaactct gcaatattct 180

atgtctcttt aataaatggt tttatatata attctgtctc tatagaaata aagaaaacgt 240
 tctttaattt attcattcca tttcaaaatt atactctcaa tctaaactgt ggagagataa 300
 tattaatatt ctatttttat attattttct tgacaatctc aattactaat taaatttat 360

<210> 14223
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14224

gctagacttg ttgtaatga atttactcag aaagatgaca ttgattataa agagacattt 60
 tacttgtctc acganaggat tctttcatga ttatcatgac attagtagcc cattatgact 120
 tggagctaca tcaaatagat gtgaaaacca cctttctgaa tggagattta gaggagaatg 180
 gttgtatgga ccaaccaatg ggggtttctc gttgaaggaa atgaacacat ggtgtgcata 240
 ctaaagaaat caatatacag tcttaaaagc agcttccccg caatgggtatt tgagggttaa 300
 tgatac 306

<210> 14225
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14225

agcttgaatg ctctattcaa tggagttgac atgtatatct tcagactgat caacacttgc 60
 acagtggcca aagatgcatg ggagatcctg ataaccactc atgaaggaac ctccaaagtg 120
 aagatgtcca gattgcaact gttggctaca aaattcgaat atctgaagat gaaggaggaa 180
 gaatgtattc atgaattcca catgaacatt cttgaaaattg ccaatgcttg caatgccttg 240
 agagagaaga tgacagatga aaagctggtg agaaagatcc tcagatcctt gcttaagaga 300
 ttgacatga aattca 316

<210> 14226
 <211> 330
 <212> DNA
 <213> Glycine max

ttgtgaggca gatgactatg sagatcatg

329

<210> 14229

<211> 334

<212> DNA

<213> Glycine max

atctctaaagc acctgcnctt gcagctatgc tgaatatta caatagacc notcaatctc 60
atagcaaaaa tcaaccacag cagaacaatt atgacctctc cagcaacaga tacaacctg 120
gatagaggaa tcaacctaa ctcagatggt ccagccctca gcaacaacaa cagcagcctg 180
ctccttctctt ccaaaatgct gctggcccaa gcagaacct atcattctc accaatccaa 240
caacagcaac aacccacaga acagccaaca gttgagccc ctccacaacc ttcctctgaa 300
gaacttgtga ggcanatgac tatgagaac atgc 334

<210> 14230

<211> 345

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14230

agcttcacag canatgatag aatgtctata tttttatcat ttgacaattt attggtatta 60
tatgacttat ccttcataata tatagactct cttttttcat ctttatcaac tgtcgaattt 120
tacataatto ataaatttta tttgatacct tgcatagcac tgcattttagc aaatacagat 180
taacatgctt ggtttataag tattgacaca aaacaggctt attgaaatac cttgtattgc 240
atgttgcctag ggcttattaa aaatatcaaa ttattttaca tgtgtctgtg atatcacact 300
tattaatgat gcataaaatt atgtaactat catgtctctc gttga 345

<210> 14231

<211> 145

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14231

tgtactttat atgaacgtga ttccctatat aaacaagaat tatgactatg gtctaaatat 60
 atggetattg actttctacc tgattgtgtc gatgagctac cgggctgaac atgtcttgaa 120
 tattgtcat gatoggtat acaccatt 148

<223> unsure at all n locations
 <400> 14232

tgtcgggtgtt aacgatgtcc atatatgtta tggatcttcc tccctctggn ttgnttagta 60
 atagttatca ttatgtgccc gatttctttt ccttcatttg atgataaagg aacaattaat 120
 gtgttatcat ggcagggtcc attttgcctg tctctctaaa aagtgttcc accgaaatgt 180
 taattataat attggccaat gggatattaat aatatctaat aaatactgat aaaaaagta 240
 tctaataaat ttttaaatat attaaaagat aaacaacaaa ttttatattt taataaatac 300
 attctattaa tgtattcgtt ttgttaacta acactctaaa gaaaatggtc ataatactct 360
 cttgaaaaaa tatattatgt ttattgcatt aatatatata aactcatgta ttttttccat 420
 agtagtataa agggaaacaa ataagagtaa atcatacttt cttctctctaa taaatacaag 480
 tattcaatgt aacatcatg 499

<210> 14233
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14233

atcaattgag gaagccttga caagttcccc attgaaaaat gaaattctga taccaatgccc 60
 agatgttgtt caggatgtca cgacatcacy cttcagaaca tgcagattat ctctgagtga 120
 atgaacagat taaacaagta aataacacaa gagaatttgt aacccagttc ggtgcaacct 180
 caccatatac tgggggctac caagccaggg aggaaatcca ctaaaatagt gtgagttcag 240
 ggtctaacag ccactgttta caacctcttc acctaacac taccctgtgag acctctacct 300
 aagagccact cttagatatg agaacccttc tcactccctc tcagacaact tccctgtgtt 360

acaattaaat caaggacact ccagagatgg ctctctgaac aaaagagatc aactctacac 420
act 423

<210> 14234
<211> 499

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14234

ctgatgggtgt cgagaagaaa tcacatgtnt gtcacacaac tataggggga gaatgtgaat 60
gtatgtatac atgattttga tgatgtcaaa aaaagaatca aataaggctc attttgcctc 120
aagattaata caagattggt tcaacaaaac aagccttgat tcaagatttc tcaagatca 180
agccttgctt caaaatgtag agatttcaag tcacccaagg cacatgtaac cgattaccaa 240
cacatgcaat cgattaccaa ggcacatgaa agtggtgaat cgattacaca tcatatgtaa 300
tcgattacca gagactctga atgttgggaa ttcaaatttt aatgaagag tcacaactgt 360
tcaagaaaaa caactgtgta atcgattaca ctaattntgt aatcgattac tagagaggga 420
tttcaaggaa tatcgccaac agtcacatct tatcatttgg attttgaatg gccatcanag 480
gcctatatat atgtgtgac 499

<210> 14235
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14235

agcttgtann ggttaaagtc tcacatgttg ttctgttctc gtgcaacaat tggtagccgc 60
gattatacga gacatcttgc caaacaagt cagggttagcc ataactcgtc tgtgcttttt 120
cttcttgcct atatgtagca aagtcattaa tccagtcaag tttgatgagt tggaaaatga 180
ggcgcgaat atactgtgcc agttggagat gtattttccc cctactttct ttgacatcat 240
gattcacttg attgtgtatc tggtcagaga aatcaaatgt tgtggctctg tttatctacg 300
ggggatgtac ctgggttgagt gatacatgaa gatcttaata ggtatacaaa gaatctatat 360
t 361

<210> 14236
 <211> 496
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14236

attatadagt ggttatgaac caatgggggtt gtagccaata aagatcatta cttcaacttt 12
 gttgtctaga tttctctttt ttgtatcagg aatatgttta tagcataaag agccaaatac 180
 cttaaagtgt ttgatagaag gtttcaatcc ataccagggt ttttcagggtg ccacagaatc 240
 tagcttctta gtaggacacc tatttagcaa atagacagca atagtagcag cttcacccca 300
 aaaactgtgt ggttagattct ttgttttcaa cataactctc accatattaa gtatagttct 360
 gtttctcttc taacaaacn cattatgttg ggtgttataa ggtgcagtga cgtcatgcat 420
 gataccttga tegttaacgt acatgtcaca ctcacttgag ttgaattctc caactgcate 480
 tegttagagg atcttc 496

<210> 14237
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14237

cttgggcaaa ttcaaacgaa caataacttt tactcggatg ttgtattgag tcccgtaata 60
 tatcgacaag ctcgaaattg aatgtcgaag ctctgaggaa attcaaacga caataaatat 120
 ttaactcggat gttctgataga gtcccgtaac atatcgagge gctcgaaatt gaatgttgaa 180
 gctctgagcc aattcaaacg acaataactt tttaacggga tgtctgattg agtcccgta 240
 tatatcgaga cgttcgaaat tgaatgttga agctctgagc caattcaaac gacaataact 300
 ttttaactcg atgtctgagt gagtcccgta atatatcgag acgttcgaaa ttgaatgttg 360
 aagctctgag ccaattcaaa cgacaataac ttttaactcg gatgtctgat tgagtctngt 420
 nataatoga gaa 433

<210> 14238

<J11> 252
 <J12> DNA
 <J13> Glycine max

<400> 14138

agcttcaaca tttaacttgc agggtcacgt tatattatat gactcaattt gacatccgag 60
 tttttttt tttttttt tttttttt tttttttt tttttttt tttttttt
 tttttttt tttttttt tttttttt tttttttt tttttttt tttttttt
 apagttctta tatcaatttt gtagcgtctc tatatctgac gggatccaat caggcatteg 240
 agtaaaaaagt ta 252

<J10> 14139
 <J11> 406
 <J12> DNA
 <J13> Glycine max

<J23> unsure at all n locations
 <400> 14139

agcttggtga gaaattgtac aaacaagagt gtatttgata aggcattgata ttactagaat 60
 tgcacattct tatctaacct tagaaaggct ccacaaagag aaaactaata ttggaaagat 120
 gttttttttt tatgaatgga tcttaaacaa gttatctaat gagcttaagg ggaaagaagc 180
 tgtaaaggta gtagtcacgc cttctctctg gaatagtgtg gtttacactc ttaaagtcac 240
 gggtcacatt gtcacagtcg ttctgtctgt ggatgatgaa aggaaccat ccattgggtta 300
 tatctatgaa gcaatggaca aagcaaaaaga aataattaac aagtctttca acaaccacga 360
 aagcaagtac aaagatgtgt ttgcaatcat tgattaaaga tg 402

<J10> 14240
 <J11> 484
 <J12> DNA
 <J13> Glycine max

<J23> unsure at all n locations
 <400> 14240

taagctctnt caactgcaca aggtctctaa tatttgaagt ttatctctgt ggaaccttca 60
 cccgaagaag caactgcaca aaacttactt tctctctctt ggacaaagta tggcaggtgt 120
 ggggaagta aattttcttc ccactcaggt ttggatgcaa ctgtgacgt atacctatat 180

aagctagatc ttgatgggta ttcaagccat ccttcgtctt gccttgaaatg ttaaggagca 240
tcccaatcac actgtcacia acatttttct ccacatgcac aacatcaata caatgtttta 300
catcaagatc acaccagtae ggaatatcaa agaaaatgga cctctctctc catatgcaac 360
tcgtacttct accctctctc tgggtctctc caaatacagt attcaggtgt tgaacccgt 420
tctcactctc tctcagctc cagctctctc caaatctctc attcaggtgt tgaacccgt 480
tctcactctc tctcagctc cagctctctc caaatctctc attcaggtgt tgaacccgt 540

<210> 14241
<211> 403
<212> DNA
<213> Glycine max

<400> 14241
catccttagt gagcaagtcg ctcaatggc tggctatctt ggagaagacc ttgatgaatc 60
tcttatagaa accgtcgtgt ccaagaaaac ttctgatacc ctgggcattt actgggtggtg 120
gtaactctct aataacatca attattgctt tatgaatctt gatgccttga gctataattt 180
tgacgccccaa gactatcgct tcttcaacca tgaagtgaac cttctcccaa ttcagcatca 240
tactggctct aacatatcta tatagtaacca gctctagatt cgtcaagcag taatcaaagg 300
aaggcccgaa cactgagaag tcatgcatga agacttctat gcatttctct accatgtcag 360
cgaagatggc tagcatgcac ctctggaaaag tggcaggtgt gttcataa 403

<210> 14242
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14242

ctcgggtggga catctngact tgccttccaa tctgacattt tccacttatt ctgccttctt 60
ctattttcag attgggaatg cctctaacag cactntgtc aatgattttc ttcattgctc 120
ttaaagtgcag atgtccaaat ttatgatgac atattctgac ttcattctct ctggagaata 180
gacatgtgga ggagtaactg gtctcttgag gtgtccatag gtaacagttg tcccttgatc 240
tgcctgcctt cattaggact tcaactctct catttgctac caagcattct gaatttctga 300
agttacattg tctcttccat cacacagctg actgatgctg atcaagtttg cagtcatttc 360

cttcaccage agtactttgt tcagactagg aagtcocatca tggactatct atcccattca 420
 ttgattt 427

<210> 14243
 <211> 14243
 <212> 14243
 <213> 14243

<223> unsure at all n locations
 <400> 14243

tacatgtgct atagtctcga gattatnttc tgcctgatt atgtcgncaa cataaacaag 430
 aatagtctgt atatcattat cattatcaga atataataaa agcgagtgat caactgagga 440
 tgaagaaat cctgttgaga gaagaaatga cgaaagccgt ggaaccatg ggcgactggc 450
 tggtttgagc ccatataagg aacgctgaat ggcacaaaca aagttgggat tatccacaac 460
 aagtcttggg gggagcttca tataaacctc ttcattaaga tccccatgaa ggaaagcatg 470
 gtttacatcc agttgtcgaa tgtgccagtt atgaagagca tcaagggcaa tgagtaaccg 480
 gactagtgtt agcttggcca caggggagaa tgta 494

<210> 14244
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14244

agcttagatg gagaagaaga cagcgagatt gttattacag cgtgaaggag acgaaacata 500
 cctaggtatg gtggcgaagg agaagaacca cagagttgtc acgatgctcg agtgcgacga 510
 aaacgatgct cgagcttaga caaaacgatt ctcagatgaa gaacagacaa ctccaaggta 520
 aatggacaac aaagagagca agaaagctta gatggcgaag aagacagcga gaaggagaag 530
 acagcgtgaa ggagacgaaa catacctagg tatggtggcg aaggagaaga agtagagact 540
 tatgaagatg ctcgagtggc acgaacacga tgcctcagatg cagaacatag accttcaagg 550
 tagaaggaga ttataagaag aagaagagag cggcgaagct tatatggaga agaagacagc 560
 gcgagcttca tagggctcan cgatatctta aaatat 566

ggacottgaa actcagctgc cantaaaagg catngttata tcatattgct gattatocca 60
 atgaaaggaa gtggataaag ttagaatagt tctgattggt ataggtttca caactgggga 120
 aaatgtttct ttgaaatcaa aaccaggtct ttgatggaag ctttttggtt caagaagtgc 180
 ttttatttta ttgaaatcaa aaccaggtct ttgatggaag ctttttggtt caagaagtgc 240
 accatttttt catccatagc atctttccac ttaggatctt taagtgttgt ttgacagctt 300
 ttatgaacaa catgagttag aagcaagggt ggttggagtc taggcttgac aattccattt 400
 ttgatctca ggtccatag atgaatg 447

<210> 14248
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14248

agcaatatct ctaagggtta cctgttcaac aactagcaaa ctaagaaact cgtcattagt 60
 cgagatgttg gagntgatga gtacgcttct tggaattggg ataaagaana agtggagaaa 120
 aaagtcttta taactgtctc actacctcaa gaagaaactg aggaagaaga cccaggtgaa 180
 ccacottcac cttcacctcc accacaacaa caagatcaag aactatcacc accagagtct 240
 actccaagac gagtaagatc tttggtggac atatattaaa cttgtaattt ggccataact 300
 gaaccttaata gcattgaaga agcgtcaaag cactgaagtat ggggtcaaggc aatggaagaa 360
 gagatacaaa tgcacgagaa aaacaacata tgggagttag tatatcgtcc ccttggaaaa 420
 gataicattg gcgttaagtg ggtctat 447

<210> 14249
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14249

gaaaagatgg cctcatcaaa ttccttattt ccagtangta attctatcaa tagacctcca 60
 atctttaatg gagagggtta ccactactgg aaaaccggaa tgcataattt tctcaggcca 120

atagatctaa atatctggga agccattgaa atagggcctt atataccac cacagtagaa 180
 agagtctcaa tagatggtag ttaccaagt gaaagcataa ccatagaaa acotagagat 240
 agatggtctg aagaggtatg aaaaagagta caatacaacc taaaagctaa aaacataata 300
 atgtctctct taaaatctaa caaatctctt aaaaatctaa atctaaatct tcttctctaa 360
 atgtactaac tctatgag 420

<210> 14250
 <211> 395
 <212> DNA
 <213> Glycine max
 <230> unsure at all n locations
 <400> 14250

gcttgatctg tctaaagcct atgtctctgt tctatctgtg tctctggaga gaattcttag 60
 ctctatggga tcttcaagtc atggggctga tcttattatg aactatgggc agaactgttc 120
 ttttgcagct atggtgaatg gttctcccca tagagtcttc acacaaaaag ggtctctcagg 180
 caaggggata ccttatcact atatttatct attttatatg tgaagcctt atcagctatg 240
 gtgactagat cgttgaggca aggagcatta catgggatta gtgtccctt cagcccttat 300
 gataactcat tctttctctg tagatggcat tctcatntt tgcacagcaa ccaactgaaga 360
 agcaagcctt tctctacaa ttnccaagct ctatg 395

<210> 14251
 <211> 433
 <212> DNA
 <213> Glycine max
 <400> 14251

tagggtatca tctgacccgg gtgtttctg aagacacctt cagtctaac tttggacttg 60
 taatgggcac taaggatttt tggtagtgc ttttgggtct actaatgcct ctctacctt 120
 tcagtctgcc atgaatattc tccaccatt tctaaaggaaa tatgtcttag ttttttttt 180
 atgatatcct tatttccagt aaaataatga ctgacccgtt aactcactta cacttgggtt 240
 ttcagttagt tgttgctaac cagtcttatg ccaaatctaa taattgtgct ctggcgttga 300

ttcgggttcaa tatttgggca atgttattac tgetaaaggt gtatctcag atttggataa 360
aattacagcc atcttaacttt ggccggagcc atgttcttta caacataagg ggcttttcta 420
aacatttaac aagaaattct gagtctctgg ccgtctctct catcgatttc ttatgttcca 480
cta 483

<210> 401
<212> DNA
<213> Glycine max

<400> 14252

taacttgggt acccatctgg ccattgaatta aaaatgtgca cctgtctgca gactctgtgc 60
ttatgtctcc ttgtccaacc accacacaga cctttgacct ttatgtcagc aacttggagc 120
aattgaatag cctgaagctt atgctgcata catctacaat agacctccgc aacctcagca 180
acaaaatcaa ccccaacaga acaattatga cctctccagc aacaggtaca atcccggtg 240
gaggaaatcat cccaacctta gatggtcgag tctctcacia cagcaaccac aacaacaaca 300
gccttatctt cagaatgttt ctggcctaag tagaccatat gtctctccac caatccaaca 360
gcacaacaaa cagcagcagc aacaacaaca acccaaaaac a 401

<210> 14253
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14253

ttggtgacaa ctttatcttc atccaaatgt nttttttgca tcagaaggtt ttaaacggga 60
aaaaaattaa ttctcatgag aaataacttt tgaaaaaata tatgatgtac aactaacctc 120
gttgaatatt gtccaaaaat ttccccaat tattataaaa gtgatatgat aatatttaga 180
aattttgatg ttaaaatagc gttgtaggac aacaaagata caataactat gaaaaataga 240
ttcttgtaat ttgtttggct tgagaaaaat atgacatat attaagggtta aggaaattcc 300
ctattaaagt ttataaaatt cagaggtgtg taagtaacttt ttctaaatta aaaatagcgt 360
ttaagaataa ttccagtgtt aacagttaaa ttggaagaaa agttttctata atgagtt 417

<210> 14254
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14254

gagggggg agtgggat agacaagacc cttgtcttacc tcaagagaaa gtcttattgg 120
 ttccttatga aaaaagatct ccataagcat tgcactatgt ggtgggcttg ttacaaagcc 180
 aagtctaagg tcatgctcca tgnctatac acacccttac ccataccata tgcaccttgg 240
 cttagacatta gttatggactt tgtccttggg cttcttagaa cccaaagagg tctagactct 300
 gtccttgttg tggtagatag gtttagcaag atggcacact ttataccatg ccacaagggtg 360
 catgatgctt ccatacatct aaaactc 387

<210> 14255
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14255

agcttgggta cctcattctt cactacttat ataatacccg ggcttgagctt tctctgtggc 60
 tctcttattg gtttagcccc atcctctaaa ttatttcgat gcatacatgt ggaaggggcta 120
 ataccaggat tgcctcgcaa ggtccagcct atagccttct tatgcttctt gagaactgat 180
 aacagcttct tctcttgcct atcagcaagg gaggcataa taattatttg aaaacttttg 240
 ttatcatcca agtaagcata ttttaaattt gatggcagag gcttcagttt tgggtgtgggc 300
 ggtctgataa tggtagaaaag agatggcttc tttagctgta cctcataaag aaagtaagag 360
 gtatctgtac ttcctgaaac atgtgtagtt ctatctgact ctagaaaata aatctcaaga 420
 gggaaaacat caccagacat gtaata 446

<210> 14256
 <211> 496
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 14256

ntagettctt aaggaagttt tctcaaagaa gcttctcatg gaagttttct taagaaagct 60

tctcaaggaa gttacttagt ctataaataa aagcatgtgt aacacttggt ataactttga 120

tgaatgaag tcttgtaaga cacaactcaa agttcaactt ctctcccttt tcttctcttc 180

ggtttcttct ggtttcttct ggtttcttct ggtttcttct ggtttcttct 240

cttagatttg gttctccca atttaattta attttttt aaacatagaa atcaaatatt 300

tacttaattg atgcttaatt agaaaactac ccttaataaa aaaaacttagt ctaggttccc 360

taaaatataa gagatgaaaa atcttacatt tctagggtac cttaactata ttgtggagcc 420

ctaaatataa ggcctaaaaa taatgaaacc ttaattctat atgtacaaag ataagcgggc 480

ttaacttag cctatggg 498

<210> 14257

<211> 253

<212> DNA

<213> Glycine max

<225> unsure at all n locations

<400> 14257

ctataataaa cgcctgaagt aaatcctcta gagcctgaat ggttcgttca gtctgacct 60

ctatttgagg atgataagct gaactaagct ttagctttgt ccccaaggct tcatgtagac 120

ttgtccaaaa tgcgaagtg aacctcggat cctgtccga tacaatactt gaaggaantn 180

ncatgcacct tacttactct ttgatataca actgtactaa cttatccatt ctatacttca 240

tattcaccgg aat 253

<210> 14258

<211> 207

<212> DNA

<213> Glycine max

<400> 14258

tgggacatcc gagtataaag ttattgtcgt gtaacttttc cttagagcttc cgttttcaat 60

ttcgagcgtc tagatatatg ataaggctca atcgaaacatt cgagttaaaa gttatttggtc 120

gttgactttt ctgagagctt ccgttttcaa ttctgagcgt ctgatgtat tatagggttc 180

aatcggacat tggagctaaa agatatt 207

<210> 14259
 <211> 161
 <212> DNA
 <213> Glycine max

cttccattgt ctatcgagc ccttgaatat atcaagacac tegttaattga aaacagaagt 120
 tttgagcata tttaaaacgac aataactttt gatactgatg t 161

<210> 14260
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14260

cacacccatgt ttgatgatgc acctgagca acaaaaacttg gcggttgctc catataaaacc 60
 tctntctcaa tategccatg taggaaaagt attcttttgt caagctagaa gagacgcaa 120
 tgacagatga cagccattga caaaagaaga cgaacacaag ccatntcggc tactggagag 180
 aaagtatcta tttagtcta tccatagacc tgagtgtaac cttttgccac caaacgttcc 240
 ttgaaaacaat caatgggttcc atcagggcca attttaagag tatacaatca ccgacaccta 300
 acaacggatt ttcca 315

<210> 14261
 <211> 317
 <212> DNA
 <213> Glycine max

<400> 14261

gcgtctcgat atattacggg acctaatcg acatcagaga taaaagttat tggttgttga 60
 attatctcag agcttctgca ttccatttcg agcatctcga tatattacgg gaactaatca 120
 gacatccgag taaaaagtta ttgtagtctc aatttgcctc gggttcgggt attccatata 180
 gagcgtctcg atgtattacg ggactcaatc agacatccga gtaaaaagta ttgtcgttga 240
 attgctagag ctctacatc aattcagctt tctattatac ggactcatca acatccagta 300

aaagtattgc gttgatt

317

<210> 14262
<211> 213
<212> DNA
<213> Glycine max

cttcagatcc ctgttcagata caatactaga aggaattcca tgcacacctta ctacttccct 60
gattgtacaac tccactagct ttgccattct atacttccac cgagtgaagt gttatgacca 120
ttcgaacnnc tccagagcct tccctgttccg acttcgagcg tctcgatata ttatgttcc 180
gaatagaaca ttccagtga atgtatgaca atc 213

<210> 14263
<211> 162
<212> DNA
<213> Glycine max

<400> 14263
tgccatggtt gttgtggatg atttctctag atttaacctg gtcaactcta tcagataaaa 60
gtcagacacc ttgaagtat tcaaggagct gagtctaaga cttcaaagag aaaaagactg 120
tgtcatcaag agaatcatga gtgaccatgg cagagagttt ga 162

<210> 14264
<211> 230
<212> DNA
<213> Glycine max

<400> 14264
aatgcgcgca taccgttgac ttgtgggtag gtcttccaac ggggttgaaca cctgaatact 60
gtattttgga aagacccaaa agaaggataa aagtaagact tgcatatgaa agaagaggtc 120
cattttcttt gatcttccgt actggtctga tctagatggt agacattgta ttgatgttat 180
gcacctggag aaatatgtat gtgacagtgt cattgggacg ctcttaaca 230

<210> 14265
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 14265

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actaagcttg gactntcagc tctggaatat gaatgtggca tatagatcca aagaccctta 60
cgtgctttgt tgaatggcttc ttctcgttcc aagcttcaat cggagctctg tcttttacag 120
tctctctc tctctctc tctctc tctctc tctctc tctctc tctctc tctctc
tctctc tctctc tctctc tctctc tctctc tctctc tctctc tctctc
ttctctcgaa caatccattt tcttgaggag aatatgccac tggtagttgt cgtccaatgc 300
ctctctctc acaatatctt tcaaacctgc gagaggtgta ctctttgtca tgacacttct 360
tagtactatt atccagtttt caatttgath ttacgcaagg gccatgaaca tttagaatac 420
tccanagact tctgattggt ctattagaaa ata 483
```

<L10> 14266
 <L11> 435
 <L12> DNA
 <L13> Glycine max

<223> unsure at all n locations
 <400> 14266

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gacgaaggaa tgtatctacc ttcactcacc caaagatgaa tntggctatc gggcttggga 60
tccaatcaat aagaagggtg tccgtagcag agatgttgta ttcttcgaag accaaacgat 120
cgaagacatt aaaaattcag agaagccaag attgagaagc agtaagaaca ctgaacttac 180
tccagtccga cgtgaggata atgacacaac agaaaatagt gatgctgaag atcatgagcc 240
tatgttagag caaaacaatc aggagactca tgatgaacca ggtcaggaag atcttcaatc 300
tagctctcta tcagtgccag agccaagacg atctcttagg gaaagaaggc catocacttg 360
atataacaca gatgagtacg tgatgctcac tgatgatggg gagcctcaaa gcttatagaa 420
gccatctatg ata 483
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<L10> 14267
 <L11> 401
 <L12> DNA
 <L13> Glycine max

<223> unsure at all n locations
 <400> 14267

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 ttaagagcgt ctgatatat tacaagactc aatcagacat ccgagttaaa agttattgtc 360
 gtatgaattt ttgagagct tccgttttga atgtcgagcg tctcgatata tta 413

<210> 14270
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14270

tgttttcaac anacaaaatca aaatcaaat ttgtatcttc aaaaacttagc tccagcttcc 40
 tctctctccat atcaactatg cagcttgagg tcaacatgaa tggccttccc aatattacaa 110
 ggaatgcagt atcttcagag atctccatta ccacaaagtc tgtcgggaag aataaaatgt 180
 ttattctgac caaaaacatct tcaattactc catatggcct ggtaatggag cagtaageta 240
 attgtaaagt ccttcgagtg ggcattatct ccaactcttc caatctcttg cacatggaga 300
 ggggcatcaa attgatactg gctcccaggc caataagagc ttttcccaca ttgacttctc 360
 caattgaaca aggaatctgt acaactccaa gatctttatg ctagggtgga aggatcttct 420
 ggaacacagc actgcaatnt ccttccacta tgat 454

<210> 14271
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14271

cgcctgaaat tgaataacgg atgctctcta gaaatcagat ggtcataact nttcactcga 60
 atgcccagatn taggaacaaa atatataagag acgctcgaaa ttgaacaaca gatgctctct 120
 agaaatttaa atggtaaaaa tttttcactc ggaatgttaga ttcaggacaa taatataatg 180
 agaacgttga aattgaacac taaagctctg gtccaattca aacggccata actattaaca 240
 tgggtgtatg attgaggccc atgatgtatc gagatgatag aaattgaata acggatgctc 300
 tcatgacatt caaatggta caagnttca ctcgatatgc 360

<210> 14272

<211> 273
 <212> DNA
 <213> Glycine max
 <400> 14272
 aatcaccatgg atgggtgggc ttggacgtgg tcccttgcct ttggcttctc aactcaagga 60
 tctcgtcttc cctccttcct cctccttcct cctccttcct cctccttcct cctccttcct
 ttctgggtat cttaa cctccttcct cctccttcct cctccttcct cctccttcct
 caactttctt taactattc ttctctagaa actatctctg tggggacaac cgaattgtcc 240
 ttgataagtc caattttgaa gtgggggatg atgggaat 273

<210> 14273
 <211> 207
 <212> DNA
 <213> Glycine max
 <400> 14273
 tcatcattta taagtggtc caccacaaaa tacagataat tggccagctt tatgtgcaat 60
 ttgtgtccca ttcaattat cttcaatacg agtctaagga ataaaccctt gttctatggt 120
 cttcagataa acgattctct cataagttct ggttcagagc caaattcccc tcttctctaa 180
 cctctgttat tattctgatg gattgaa 207

<210> 14274
 <211> 335
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14274
 tgaaaaanna caacgttttn ttttcacaaa tatttccatt tttatagatg aggcgttatt 60
 tgatttcgaa atccgattat tatattccta acccgaagtg ctcttgggtg tattcataaa 120
 aagtaataat tttcttcgaa atcttagcaa ttgatctct ttcgaaacac caatttttct 180
 ttcatttgaa ttgacagtg attctttccg attcttattc gaattatgta ttctttttct 240
 taaattaaac aaggcaagga ctaacttccg aactgcaagt aaaataaatg atagaataca 300
 acatagattt attctattac tctatgaatt gtaat 335

```

#223>      unsure at all n locations
#400>      14.75

```

[illegible]

```

423>      unsure at all n locations
403>      14276

```

ctaaagctgaa	gcaactggat	gcatggtaac	taggtnaccc	agctggcctt	gaatcagaaa	60
tctgtacctg	tgcgaagggt	tgttggtttg	tgtctctctg	ctgaccacca	tacagacctt	120
tgcctctcca	tgcagcaacc	tggagcaatt	gagcagcctg	aagcttatgc	tgc aaatatt	180
tacaatagac	ctcttcaacc	tcaacagcaa	aatcaaccac	agcagaacaa	ttatgacctc	240
tccagcaaca	gatacaaccc	tggatggagg	aatcacccta	atctcagatg	gtccagccct	300
cagcaacaac	agcagcagcc	tgttctctcc	ttccaaaatg	ttgctggccc	aagcagacca	360
tacatctctc	caccaatcca	acaacagcaa	caaccccaga	aaca		404

4433> unsure at all in locations

<400> 14277

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tctctntttgt attaggaato aagatactaa gagatcactc tcaaggcactc ctaaggttgt 120
cacaagagag ttatctgat aaggtcttag atagattcgg catgaaagat agtaaacag 180
cctctctctc cctctctctc cctctctctc cctctctctc cctctctctc cctctctctc
cctctctctc cctctctctc cctctctctc cctctctctc cctctctctc cctctctctc
cctaagtttg cactcgtctc gatatagcat ttgtagtagg agttctgggt agataatnga 360
gtaactctgg aatgcaggan aatgtgttat gcgttaccta aagagaaaaa aatgatacat 420
gttcacttat caaagtatg agaattctga gatcattgga tactcagact ctgatt 486

<110> 14173

<111> 376

<112> DNA

<113> Glycine max

<23> unsure at all n locations

<400> 14278

aacattacaa tagactctct caacctcagc agctttatct aacctacagta gatcaattat 60
gaagctctctc agaacagat acaatctcgg atggaggaat caccttaactc tcagatgggc 120
tacctctcaa caacaacaac aacaacttgc tcttccttc caaatgctg ttgggtccaa 180
tagacctgc gttctctctn cagtgcacaa acaacaacaa caacagcaac aacaacatca 240
atagagacaa caatccacta ctgaggcccc tctcaacct tcattagaag aattagtgag 300
gcaaatgaca atacagaaca tgcagtttca gcaggagact agagccttga ttcagagttt 360
aacaatcag atgggg 376

<110> 14179

<111> 454

<112> DNA

<113> Glycine max

<23> unsure at all n locations

<400> 14279

tgatctctca gtcactcgg gcctgcaagc ttatggctct aggtcttaac cactagtaat 60
cactataaac gaagatttat tgggttactg ttttttttat tagcactga tatatatacc 120

ttttagcggaa cagttatata atggccctgg aagaccatta atagtgtagg catcagacac 180
 atttggtcct ccacctgttt gcaatgcctg tgttatgact gcctcaggat ctgtattcca 240
 ccattctcct gatatatgtn gttatatgca tgttaaagat aggtcactcc taagtacatt 300
 aaggtaaata tagaacaact atggtatgar gtcacagta ctttcttatt accaaagatg 360
 ttttctctct ttttctctct ttttctctct ttttctctct ttttctctct
 atgataaggac catagagagtgatcttaac atg

<210> 14230
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 14230
 ataagtggac ggagagggag agagaggggg cagaaaatgt atgcctcaaa tgaggtctga 60
 actctgaagt cttaatttttc atatgataaa agctgaaaaa atgggcacac aaggtctctc 120
 tttatagcct aagtgtcgca caaaattgga gggaaatgtg aatttctatt caaatgtcac 180
 ttgaatctga atttgaatta gtggagccaa cattggagtc aaaaactgcac tgattgtgaa 240
 ttcaactatg gtccatctta ctaatccaag atcaaggcct agattctcca ctaagtgtgc 300
 ttatgtgtca tgaagcatgt taagcatgaa gggtatgcat taagtgtgac tatacaatgt 360
 gtcaat 366

<210> 14231
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 14231
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 catgtatgaa tagcatacta ctaccaaata tcagcatgtc gtgcacatac aagcataaga 120
 tgacacattc actctcctca ggttggtttcg cacacactca tttagcaact atcattgata 180
 ttgaaaagca tatgagagaa caacttgagc tgacttttcg cgcatttact ttggagctta 240
 tttcatgacc atattaagat ttaacaacct ataattctata autagtacta tctagagaat 300
 atacaacaga cacataatca acagtttttg gtccaacttt tcttttctta ttaat 366

<210> 14282
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14282

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 atatgggttt taacctctct atgcaacttc tatacaaata ttgacctaga ttccctctct 180
 atatttataa aagaagtgtc cagtgggaag ggaatgaggt ctaacgggtg taggggattg 240
 aacctataga caacctcaaa aggggactgc ttgggtgggtc tatgaacccc cctgttgtag 300
 gtaaatctta catgaggaag atactcctcc caagacttat ggttgcctnt cagaagagcc 360
 cttadaaggg tggataaaga cctattcact acctcatgtt gcccatcacg ttgtggatga 420
 caagtgatag agaatagaag tttagtt 447

<210> 14283
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14283

ggatcttaag tcacctgcan gctgcaagct gcatttaaga ccaccccccc accccgaatg 60
 ctgattctca atccagcagt cccttaccac cttgtggtaa tgcttggtaa taagccatcc 120
 atcanagacc ttaanaggct tangacccc atcaatgctc ttagatttca tgaggatagg 180
 gcagtgatca gagttagttc ttccaagggt gtgctgcgaa ctgtctggcc acttaaaaag 240
 ccaaccatca gagacaacag ctctatccaa ttgtctttta caggaacctat tatgcttaac 300
 ccattgtgaa tgcttaccac cactaggaat atcttccacc tccatgatag caagccaatc 360
 attgaaatct gacatgatgc tggactctga atttccatga ttgtctccca ttctctct 418

<210> 14284
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 14284

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actgaactcca actgggtaag aatagtatct aattcattaa tatgatcagt tatagagata 120
actttctccta tcttgatgat gaacaaccca cacatcaagt atactttgtt ggcttccaa 180
ggtttcttctt ggtttcttctt ggtttcttctt ggtttcttctt ggtttcttctt ggtttcttctt
agcaatgttc attttctttt gcttatgggg ctgactttaa ccc 240

<410> 14285

<411> 461

<412> DNA

<413> Glycine max

<423> unsure at all n locations

<400> 14285

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tcattgaaca gtccctatto tatgatttaa cccaattgcc aagcgaaggt gtaccatttg 120
aagggtgcact gatgatgat tggaagtttt atttctctgt acatgatgcc cgcgattgg 180
tttgtaccaa tcaagcagat atgaaccgaa ggcttcttgc cagttcattg gcttttgaaa 240
gcgcatact ccattacctt attgttcgca tcttgcttcc gagatcttca aaccttgctc 300
atgtttctga agaagatctc attgtcatgt gggcctttca taaaggttta caaattgatt 360
gggcacatct tgttagatat cgcattgata aggcattgca attgaatgcc ccattgcctt 420
atctcatct tgtatccttt ncttaacct caacatctc tga 463

<410> 14286

<411> 356

<412> DNA

<413> Glycine max

<400> 14286

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gaactccgag aagtaaagcg gtatctgcaa ggggaaccc ctggaaacag ttgaccgtg 120
tgataagaag atcatgcggc tgagaacccc tatgattctg taacttagtt ggccaatgga 180
catgattatg atgcttacc tctgtgcgat tctctgtage accttcacca ccattgatgc 240

gtctgttgaa tcaagtcacat gttgccttgt ccaggattag aaggtttttg tgaatctacc 300
 cttcttttatt caacccaaccc acgcaagcgt ccaacctcac aatttttggat ttgatg 356

<110> 14287

<223> unsure at all n locations
 <410> 14287

cttgatgggtg ttgagaagan atcacatggt tgcacacac aataaggggg agaattgtgaa 60
 tttatgtata tatgnatttg atgatgtcaa agaagaatct aacaagcctg ctccaatga 120
 ttaagcatntg ctccaagaat aattcaagat tgcctcaaca aacaaagtca tgtntcaaga 180
 ttactaaag aacaagcctt gccttataac aaagtgcctt caagacattc aaggctcttg 240
 ttaacgatta ccaggaagtg taatcgatta ccagaagaca gggttgaaaa atagctgttg 300
 aacaatgttt tgannattga attcaacat gtaatcgatt accatattgt cgtaatcgat 360
 taccagcaac gaaacttttg aaattcaaat tcaaaagtta taaccttca aattataact 420
 gtgttatoga gtaccacac attataatcg attaccagtg gagagtgtgc agatnactg 480
 ccaacagtcg cgtcttttca tta 503

<110> 14288
 <111> 394
 <112> DNA
 <113> Glycine max

<223> unsure at all n locations
 <410> 14288

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 ttactgttgc aagagtctgt ggtctatggt cttctgttga tcaccatata gatctctgtc 120
 cttcttttgc gcaatttga gtcattgagc aacctgaagc ctatgctgca aacatttata 180
 atagatcccc ccagcagcaa aaccaacaat agtagaataa ttatgatctn tcaagcaaca 240
 gatacaatct aggtttggagg aatcattcaa atctgagatg ggcaaatcct ccacagcaac 300
 aacagcctgt cctctccttc cagaatacta cgggtccaag caggcacatg gttctctctc 360
 caatgcagca gcaacaacaa agacaacaag caac 394

<110> 14289
 <111> 432
 <112> DNA
 <113> Glycine max

<121> 14289 14289 14289 14289 14289 14289 14289 14289 14289 14289

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 atttattcag aaacaatcat ttgtaatcga ttaccaaata agtgtaattt attacacaag 180
 gcttttatgt gaaaggatgt gactcttcac atttngaatt gaatttcaat gtccaaaggc 240
 actggtaata gattacaaaa acattgtaat cgattacaaac ttntgaaat taattggaac 300
 gttgtaaatc cagtttgaaa accttttcan atccattgtg ctactggtaa cegattacaa 360
 taatttggtc ategattaac agagagttaa aactcttttg taaacatgtt ttgagnanca 420
 tcatgtgcta ct 432

<210> 14290
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14290

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 tctccactgt attccgtgtg acaagttatg accatttgaa tntctcgata gcattcgttg 120
 ctcaatateg agcgtctcga tatataatgc gcctgaatcg gacttccgtg tgacaagtta 180
 tgaccacttg aatttgctga gagcatccgg tgatagattt cgagcatttc gatataattat 240
 gggcctgaat cggacatccg tctgacaaga tatggccata tgatattctc gagagcattc 300
 gttggtcaat ttcgagcgtc cggatatatg ctgcgcgcta atcggacttc cgtgtgacaa 360
 gatatgacca tt 372

<210> 14291
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 14291

actcagcttc aattcaatt tgagcgtctc gatatattac tgggctcaat cagacatccg 60
agtaaaaagt taattgtcga tgaattggct caaagcttca acattcaact togagcgtct 120
cgaatttc cagacttc tgaatttc cagacttc cagacttc cagacttc 180
cagacttc cagacttc cagacttc cagacttc cagacttc cagacttc 240
cgagttaaaa gtaattgtcg ttgggattgg ctcagagctt caacattcaa ttccagagct 300
gtcgatatat gactggactc aatcagacat cccgtcaca agctattgtc cgttgaattg 360
gttcagaagc tcaacattca attt 384

<410> 14292

<411> 339

<412> DNA

<413> Glycine max

<413> unsure at all n locations

<400> 14292

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tatatcgaga cyctcgtaat tgaatgttga agctctgagc caattcaaac gacaataact 120
tttactcgg atgtctgatt ggtcccgctc atatatcgag acgctcgaaa ttgaatgttg 180
aagctctgag ccaattcaaa cgacaatata tcttttactc ggatgtctga ttgagggccg 240
tcatatatcg agacgctcga aattgaatgt tgaagctttg agccaattca aacgacaata 300
actnnttact cggatgtctg atagagtctc gcatatatc 339

<410> 14293

<411> 397

<412> DNA

<413> Glycine max

<413> unsure at all n locations

<400> 14293

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cccgacgaag acaactgaaa aaacttatct tctccttctt ggacaaaagta tggcatgctg 120
ggggcaggta aatattcttt ccatcagacc ttggatgcaa ctatgatcgt ataccatatt 180
cagctagatc ttgatgggta tccaagccat acttcgtctt gcttgaatg ttaattgagc 240

tcccaatcac actgttgcaa acatttttct ccacatgcac aacatcaata caatgtctaa 300
 cgtcaagatg acaccagtag ggaagatcaa agaaaatgga cctgctctct catatgcaac 360
 tctgaacctat atcctctctt tgtgtctctcc caaatac 397

<413> Glycine max

<223> unsure at all n locations

<400> 14294

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 gatttgattt gtttgctctt gaaccacatt gatgttatto ttgatatgac ttggtctctt 180
 ttgacagatg tacttggtgaa ctgatttcac gaaagtgtgg ttgttcgatg attctggagt 240
 gactaatgat atgtattcta tctctgcaca cccagtgtgt acatctctta aggaagatgc 300
 tcaagtatac atgatcttgt ctagccagga agtacagaca aagggttcta tgtgtgaacc 360
 tctt 364

<210> 14295

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14295

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 caactttgtc aatgatttct ttcattgctc ttaagtgcag atgtccaaat ctatgatggc 180
 catatttgac ttcatcttct ntggaggata gacatgtgga ggagtaactg gttcttgacg 240
 ggtcataggt aacagtgtgc ctttgatctg ctgcccctca ttagaattc actcttctca 300
 tttgtcacca agcattctga ctntgtgaa gttacattga atgcttcate acacaactga 360
 ctgatgtga tcaagttt 378

atataatccc ggatggagga atcatcccaa ccttagatgg tcgagtcctt cacaacaga 300
 gaaacaacaa caacagcctt attntcataa tgcgtgtggc ccaagcagac catabatccc 360
 tccatcaate cagcaacaac aacaacaaca acaaccccag aaacaac 407

<210> 14301
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14301

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 attccactta attctacaag tcgcctcaat gagcgtggcgt ccttatctgt acccccatta 120
 ccagaagtag gaaattgagc ttcaggtgga atcaatgttg aaaaaggggc ttattagtcc 180
 gagtacaagt cattctctgt cactagtgtt gctcctcang aaacatgatg actcttggcg 240
 attttggctg gactatagag cactcaatgt ggtgactgtc tgtgactggg ttctatctct 300
 caccatcgat gagcttctcg atgaattgng caaagcttgt tggatttcga aattggattt 360
 attgcaaggt taccacata ttoggatgca ttacccgaac attgcaaaa cagcatttcg 420
 gacgcacctt gggcactat 439

<210> 14302
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14302

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 gtgaagaaga atgtggcatt taactggggt gaaaaacaag agcaagcctt tgccttgctc 120
 aaagaaaagc ttactagga cctgttctag ctcttcttga cttttctaaa aattttgagc 180
 tagaatgtga tgcctctgga gtgggagtta gagctatctt gttacaaggt cggcacctta 240
 tngattattt tagagaaaaa ttccatgggt ccaacctcaa ctaccccacc tatgataaag 300
 agctntatga ttttaataga gccttccgaa cttgggaaca ttatc 345

<210> 14303
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 14303

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 taaatagatc tctcaccttg catgagtcctg gtcactcttc tcttgagatc atataactgt 240
 gttgcatcac cgcctatcaaa gtatgtttga gcaatactat cccaaacaac cttagccgtc 300
 aaaaatctat aaaaagttct ca 322

<210> 14304
 <211> 267
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14304

caagtataga gntactatta tacactaaag ctccattaaa aactgaacca tgagtacata 60
 atatactaca ttgctactgc attaaacatg ttattgggtat taaccaactc caggacctac 120
 aggaccccttt cctttatttg tgagaaaact agcgtaatat aatctagttc tataattaac 180
 taaagagtta agataagcta tcccaaanac gcaatatctc cttcttatgt ctggtcaaca 240
 agtgaattt ggattaacta agtgata 267

<210> 14305
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14305

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 aacaatgtat ttatatatgt gngacaaaat aatacaaana tgatatataa ttcttaatat 120
 agaattgaca ttcatttggc ccaagttaaa tgcattttgg tagttattat atgaggcaag 180
 gcttatgntt tcatcttctt aacatgtaaa attaacatca ttttttaaca ttcttttga 240

taaaattgta tatagtcatt tgtgtacaaa ttatttgcac ttatgtttca aatttgtact 300
taggcattgga tggtaagatt acaaatttat tctttcatat tggaaaagtt ctttcaatag 360
tgcacottaa aattatactg gattgataat aattaaaaat ttcattatta totgcaaaat 420
aattataat ttttaattt ttattttttt aattttttt atttttttt aattttt

<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14306

aagcttccctt gataagctag aggggtgcta ctacacatctc tccaatagct aagttcaccc 60
cgatgccaaa ataatgaaa aatacaaaaa gtctctctcta caaagaactac tcaaaatgcc 120
ctaaaatata aggtataaaa cctattgtac tagggtaacc ttaacttgaa aggtagggtg 180
cccttaattt ttatgcatacc ctataaaact aaaaattgcc aaaatacaag gccccaaaaga 240
aggaaaccct atttataat ttacaaaagaa ngtygggtca tacttagccc atggggcccaa 300
attctaccat aaggtctatg agaaccctaa ggtctttctac tgcatacttg gcccaatatt 360
cttggagtct tata 374

<210> 14307
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14307

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aacaattatg acctctccag caacagatac aaccttggat ggaggaatca ccttaacctc 120
aatatggcca gccctcaaca acaacaacag cagcttgcct cttccttcca aaatgtctgt 180
ggcccaagca gacctacat tcttcacca atccaacaac agcaacaacc ccagaaacaa 240
ccaacagtgt aggcacctcc acaacctcc ctccaagaac ttgtgaggca aatgaactatg 300
caaaacatgt agtttcagca agagaccaga gcttcattc agagcttaac caatcagatg 360
ggacgaatgg ctaccgaatt gaatcaacaa cagtcctccag aatcttgaca gctacctct 420

caagct

426

<210> 14308
<211> 328
<212> DNA
<213> Glycine max

atggtataat ttatattctt catttatata tnttggtact ttataaaaaat attctattaa 40
ttttctatt ataatatta taaaaaataa aataataaga ttagtatcaa gttattttct 120
ttttttttt ttatttttaa aaaatacatt atcttatggg gagatttttt tattacacat 160
ataaataaaa gaaaatcttt gtgagagcaa tggcccttgc aaaattatac atgcacggcc 240
aatgatcatt gtgcataaaa tacttgaata gttattaatc ttgattgtct caatanaata 300
attattaaa attanagaa tcatttat 328

<210> 14309
<211> 414
<212> DNA
<213> Glycine max

<22> unsure at all n locations
<400> 14309

ttattttctt cctccatctc ccaatagcaa actttatagc agacatgaga ttattccata 60
aaataaaaaat atgatacaaa cttacaagtg tctatatggc ttcatagtca tctgctgcag 120
gggctgnggg agcatcagct agagcagata acacaacaaa ggcaccaaat aagattgtga 180
taatggcagt gaagttgaca agcaaagcct cagaaccata tttgtccaat cctgagttct 240
caaggaaagt gagtttctcc agatacccaa gacagcagc gcccacagcc aagacatata 300
caaacagccc atatagcgcg tgccaaggaa gtgagggcgcg tctaatgtct ggagtccac 360
cagngaagaa taagatcaca aacccatata tccacttcag ggaaccaaca caat 414

<210> 14310
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations

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ggctctgagg agcgtttcta taaagtgtag tacaagcccc tegtgggaatg aggatatgat 300
gttcgttctg gcagaacctt ttgatgattg c 331

<223> unsure at all n. locations
<403> 14313

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tcgtcacact cgtatttgat aacataggtc ctgagcaaaa tcaaacgaca ataactttca 120
atacgggatgt ccgaatgaat cctgtaatat atcgagacgc tcgtatttga aaacgggaagc 180
tttgagcaaa tcaaacgac gataacattt taactggatg ttgattgtg tcccgtagta 240
tatcgagacg cctgaaattt ataatagaag ctctgagcag tatcaaacga caataactnt 300
ttaactggat gtcgattgt atcccgtagt gtatcgagaa gctc 344

<210> 14314
<211> 392
<212> DNA
<213> Glycine max

<400> 14314
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gggcaatgta ttctgcttca gttgttgaaa gagcaacaac tgattgttgt accaaacaaa 120
gtaaacacat atctgttaa ggatttcctt gtgtctacat ttcttgcaaa atctgcactc 180
acatagcttg tgattgttgc ctcttggtgt gtcttcttct accttaatec aacttgcaaa 240
gacacatta gataccttag tgctcacttc atagcttccc agtgtgcaat gcacggatct 300
cccatgaatc tgcctattat gcttacagca tgagccaagt caggtctgtc gcataccatt 360
ccatacatta tgcctccaac accactggca ta 392

<210> 14315
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 14315

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 tggaaataga tcaatttatt ggattcagtc aaggttctca catcaadtig agtatgaaaa 120
 gttgcttctt cactcgttng ctntaattgc agagtggtata gttgcaaat gtggacaaat 180
 gttgcttctt cactcgttng ctntaattgc agagtggtata gttgcaaat gtggacaaat 240
 gttgcttctt cactcgttng ctntaattgc agagtggtata gttgcaaat gtggacaaat 300
 aatataatga tcaanattgga agggactttg accccttcag gaactgagaa tgaaggccct 360
 attgcttctt cactcgttng ctntaattgc agagtggtata gttgcaaat gtggacaaat 420

<210> 14316
 <211> 507
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14316

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 tcttaagaag ggggggttga attaagatat tccaaactgt ttccctaat taaaaatcta 120
 ttccactggt tactcaagtt atgaattccc ttaatgaaaa tctttctaaa tattaattta 180
 aatgaaacaa ttggaatatg aatataaagc aataataaat aaaggagatt aagggaagag 240
 aaaatgcaaa ctccagttnta tactgggttc gccacacct tgtgcttacg tccagtcctc 300
 aagcaacctg cttgagagtt ccactatctt gtaaattcct ttacaagtt ctaaacacac 360
 aaggacaats ctccctttgt gtttagagat cctntacaac aagagactca cagtctctta 420
 atcccttaga gaatgagaag aagaagaaga acanactctt ctagaaagag atggatttta 480
 cagatngagc actcanataa ttcctta 507

<210> 14317
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14317

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tcgccttatg accagaagtg gtacagcaaa ccactgagaa agttaagtta attcaggaaa	120
ggataagaac tcttcagagt aggcgaaaa gntatcatga taagaggagg aaagatcacg	180
gattcgaggc tggatgacac ghattcttga gagtcactct ggggactggn gttgggtcag	240
ctttgggtttttt ctttgggtttttt ttttgggtttttt ttttgggtttttt ttttgggtttttt	300
ttttgggtttttt ttttgggtttttt ttttgggtttttt ttttgggtttttt ttttgggtttttt	360
ttcatgtgtc tcaactccgt aagtgtatct ggtatccatc ccattgtgatt gaattggatg	420
atgtac	426

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caatcactgt  ggaaggaat  gagctgagta  gatttattga  cccgccagga  gatgcctact     180
tggatgattt  atttcaccca  ttggataaac  aacctgtgga  ggttgtagca  gaggcgtcca     240
cttcacacac  cacttcacat  atgactaaag  gtaatgcac  tgcaattgat  ggtgtgaaaa     300
atgacttggc  taaagagttg  agagctacca  ttgctcgaaa  gcaatgggag  aaggatagtg     360
aaatnnggac  tgcacaacaat  ggccgggaac  ttttgaccga  gtgatgatag  gcgtctaaa      419

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gaacaaactga	agccctttat	atatagaaaa	ggccataact	tttcaactgc	atgtcccttt	120
catcgccata	atatatcgag	acgcctgaag	ttcacacgg	aagctctcga	gaaatgaaat	180
ttccttaact	ttcaactcga	atccgattcg	ccacataaca	tattgaagac	ttgaaattga	240

caacagaa

248

<210> 14320
<211> 397
<212> DNA
<213> Glycine max

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ttagttgtgg aatgcacaca cacatacaca caaacaatca gtacagataa tgaaaatcat 120
tgggcatac aatcatttg acatacctaa gaaagctac aaatatcttt caaagagtat 180
aatgcaaaag ctccatagca tcccggtata atttcgtgt taaatgtgc atcataatc 240
aatactgaca aaaactgcac cacaacaaac tcagaacctt caaatgcatt attacattct 300
attttaaaga agaaacaaaa aatgaaaaa ctaagaactt gattatcaat tatgtacaga 360
tagctgaaaa tgcctagtatt aatgcttcta gtaactca 397

<210> 14321
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14321

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tatactgtta caaggactca aagctttctc ccacagaat taagtgggtat ttttgaggga 120
caacttanaa gtttgggtgag actaaaggta caaaacaact ctataatata ttagtgaagg 180
gatttttttt gttttaaatg tcaacttcat taagattttg ggaaatttca ttgaccagt 240
ctgttgcttc gtgctgatat tcttcaaaga aaaaatgaac atgtaaataa agtatgtatt 300
atataaaaaa aacattatgg ccattggcac gattttcttt tgtcatttaa gaaatagagc 360
nctgctact gttcaacctt atctctggct ccatttgac atctatct 409

<210> 14322
<211> 359
<212> DNA
<213> Glycine max

tgacacctca catttt

256

<210> 14325
<211> 410
<212> DNA
<213> Glycine max

actctttac tat agatga tgcagctgag ttgtagcta cctcatgca tctcttaag 60
attatgggat cat tcttggc gctaaactgc tgagagtgg aagccatctt ctcaattaaa 120
ttcttgggtt cag taggagt catgtctcca agggctccac cactggcagc attatcata 180
ctctctctca tat tactgag tcttccataa aaatattgga gaagaagttg ttctgaaatc 240
tgatgggtggg ggcaactagc acatagtctt ttaaactctt cccagtactc attcaggtct 300
ctctcattga gttgtctaat acctgagata tcttctctga tggctgtggt cctggaagca 360
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<210> 14326
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14326

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atatatcgag acctctgaaa tggaaatccg aagctctgag caaattttaa cgacaataac 120
ctttttactc ggaagtctga ttgagtcctg taatatatcg agatgctaga aattgaatgt 180
tgaagctctg atcaaatcca aacaacaata accttttact ctgatgtccg attgagtcct 240
gtaatatatc gagacgctcg aaatggaata ccgaagccct gagcaaattc aaactacaat 300
aactttttac tggatgtct gattgagtc cgtaatatat cgaacagctc gaaattgaat 360
gtagaagctt tgagcaaatc catacgaaca atactcttta ctccgatggg ctgatgagtc 420
ccgtaatata tggagacgct cgaatgaat accg 454

<210> 14327
<211> 305
<212> DNA

<213> Glycine max

<400> 14327

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cttccggagg ccatcgggac ttaetgagga aagctcagaa atgacaacgg agcttcagaa 180
atctccgatt tgggaaaata atatatcgag atgctcaaaa ataaacaagg gaatctctag 300
agaaa 305

<210> 14318

<211> 319

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14328

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atatgaccat ttgaatatct cgagagctta cgatgtttaa ttccgagtgt atogatatat 180
tttaaacctg aatcggacct cagtgtgaaa agttatgaat atttgcattt ccggagagat 240
ttcgatgntt tatttcgagc gtatctatat attataagcc tcaatcggac atcctgttga 300
aaagttatga ccatttgaa 319

<210> 14329

<211> 405

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14329

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tcttgacct caacatatat ggacaatgag aatcactcag ccgtgattat caaccaataaa 180
ctcacttaag gataatfact tgattagaag tgtctaagca tgattagaag gtgtattaca 240

caactggtaa tcagccattg cagcagcaact tcacttctct tttgaagtat gcaactatcc 300
 aacactatta gaaaatatgc ttctacac tcnggtatttat gactttcaac atcggttttt 360
 gaacogatgt tgaaagtaac gacgttgata gtattatogt taaca 405

<210> 14331
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14330

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 tagctatttt gaaggttttag atctctacac atgatatttt cattgtacaa gattttttta 180
 atagacaaat aaaaatatata ttatataagt aaaagaattc ttggcaggatc atgaataatt 240
 ccccaacgac cccagggcac tagaccctta attaacggca ttgggaaaga ttntagtcac 300
 agaaattatt taatttaatt taatttataa aacaaatggt ctannatata aagttaatga 360
 tcttaattta tactatatnt aattataatc aacattttct taagttatgt taacatcatg 420
 ataatgagat cacttaatta ttcttgatgt 480

<210> 14331
 <211> 308
 <212> DNA
 <213> Glycine max

<400> 14331

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 gggaggaaag aaatatgatt ttccatagtt gatgactatt caagataaac ttgggtatac 180
 tttttcttca taattatgag tctttcaagg gcttttaaat attttgtaaa agagttcaca 240
 atgaacaaga cttttgtatc tcttttatta gccatgacac tgagtttgaa catgttgaga 300
 tcagatca 308

<210> 14332
 <211> 343

caattatgac ctttccagca acagatacaa ccttggatgg aggaatcacc ctaacctcag 180
atgggtgcagc cctcagcaac aacaaca 207

<210> 14335

<211> 321

<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 14335

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gtatttggag gttttcctga gtcaaaaaga atttggccta catcgggtcc aatgttaaca 120
caaacactcc attatcaagg gtgagaacaa agattattga cctagaatat atgcacgaac 180
cagctgcgaag aaaggtgcct cggggttggc acacgttcac aacacatctt tgttctgttg 240
tgtcatgctg caaattagca catgcctcac attaagcact gaattcacta acaatccttt 300
gtgcaattgt ctataactct ctctcttaag atagtgatta ggaggagggt ggaagctcct 360
tccatgatca aggttaatact t 381

<210> 14336

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14336

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gatgaattta gagtcatgat gcagcgatga gtctttgtct ttaattgatt taatggggga 180
tggggttgaa ttccattcat ttattgttaa tttagattta aatcttgtgt gatgcacgaa 240
ttctattaca ttatatattn ttctatattt atataaaaat gaatatgcac taataaaaatt 300
aaatcttata atacttatta gaatataaat gtaattatad taaaattgag aaatataatg 360
attttaattg ccagatgtat taatataagt ctaatgaatt attttatgtt aaaaagttgg 420
ttgaactgnt tgacatttaa ctcaatgtan atttacaaca ca 462

<210> 14337

<I11> 240
 <I12> DNA
 <I13> Glycine max

<I23> unsure at all n locations
 <I400> 14337

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 gtggaataga gaatgaggaa aggtgattgg agatgccact ttaaggagaa gatgagtcac 120
 gaacatgctc actaccatag gaagccatgg ataatagctt gaaggtagga gaatatgagt 180

ccgtgtttaa tttctagcgt ctgcataagt aatgttcttg aatgggctt tttgttgata 180
 acctatgacc atttgaattt ctcgaaagct tccgttggtc aattatgagg atctcaatat 240

<I10> 14338
 <I11> 430
 <I12> DNA
 <I13> Glycine max

<I23> unsure at all n locations
 <I400> 14338

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 aattatttaa ccactaaca tttaatcatt gaattacaat gtgttatcca tttactaagn 120
 tattcattta caacccatcc catcatatat attatgtttg gtgtctatta tataatatta 180
 agaataattt tataagtcac atgataatta tttattattg aatgataatt taaaattatt 240
 ttacattatt taagcatgat tattaaatac tagatatttg tttatgaatt tatatattaa 300
 ataaagtgat acgatcacac ttgattttat gtcatgaatt cgattaatto actgatttaa 360
 ttaacacaaa aatatttata atatgctaca cgcacacgac tcattgatta cacctacaag 420
 aaaatacata 430

<I10> 14339
 <I11> 359
 <I12> DNA
 <I13> Glycine max

<I23> unsure at all n locations
 <I400> 14339

gcttgtaggc cttgatcttc tttattaata tagctcttng cttcttgaag atcaatggaa 60
 gtggaataga gaatgaggaa aggtgattgg agatgccact ttaaggagaa gatgagtcac 120
 gaacatgctc actaccatag gaagccatgg ataatagctt gaaggtagga gaatatgagt 180

ggagggagag gpatagaggg gggaacaaaa tttatgcctc agatgaggtc agaactttga 240
 agtotaatth ctcnatgat caaagttgaa aaaattcaca cacaaggcct ctattttatag 300
 cctaagtgtc acacaaaaatt ggaggggaag attgaattct attcaaatct atottgaat 360

<213> Glycine max

<400> 14340

gtttctcgat atgttatgag ttggaattct ttatgcgagt gaaaaattat gaccatctta 60
 atttcocgag agctctcggt gtccaatatt ctatcatctc gatacgttat gtgcctgaat 120
 ccgacatgag agtgaaaaga tatgaccatt tgaatttctt gagagcttcc gttgttaaat 180
 ctctagcgat tcgatacgtt atggcgctac attgaacatg ccagtgaaaa gttatgacca 240
 ttttaatttc tcgagagact ccgggtgtca aattcgagcg tcttgatatg gtatgcgctt 300
 gaatcggaca tgcgcatgaa aagttatg 360

<210> 14341

<211> 491

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14341

ctgcagctga agagtttggc ttacatgcc ttactccctt aagtagtatt tgtattgggt 60
 atttatattga atgttacatc ttatgcata tcatatcttt tgttcacat gcacacatcat 120
 gagtgatgca atctacccc ccaagagcat tggatagaag actccaagaa gattggggca 180
 gagatgccag agaaggcccc agggttctca tgagccttag ggtagatttc gggcccatgg 240
 gctaagtatg agcccaacta tctttgtaca tatttatatta aggtttcatt atatttgggc 300
 ctgttattta gggcttcata gtgtaggaga ggtaccctag taatgttaga attttaagcc 360
 ctgttattta nggcttcctg gtatgtcttg atgggttaat cgatattgcc tatataatcg 420
 atacacaact attttggaca tgactgaath ttcaggagct ctccatcgat atatgtatat 480
 atcgatactt a 491

<210> 14342
 <211> 304
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14342

gaatttgat ttctctgagt gatttgaca aacdaaggcta tctgttcana gaggagaatg 120
 gaggctctaaa ggtctctaaag tctctcataa tctctcatgaa agggatgcaa aagaatggct 180
 tctattctctt gattggagaa gtgatgattg gatcagctgt tgcagttctt gtcaaaaggg 240
 tctcaaaagac tgaactatgg cacagaaggt tangacatgt gaggagagg gggttgattg 300
 auct 304

<210> 14343
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14343

aagctttaga tctcaacgac actcttgatt gcaaatctac ttttcttatt atcaattccc 60
 atacaaatct cttagtcatt ctactagtat atgtagatga catcctccta tcagggtcca 120
 atattgtctt cgtacaagct gttcagacca aattacagtc tctgttcaat tgaagatcca 180
 tgagcctttg aaatattctc ttggctttaga aatagtcaaa ttcaacagag gcattctact 240
 atcccaacga anatatgctc tatctctctn ggaagataca ggtttcttgg cctgcaaacc 300
 tctcaattta ccaatggatc ccaatctgag actcaattct catgatagag actctactcc 360
 tgatecatca at 372

<210> 14344
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14344

gcattgcgagc tagcacatat ataagtatat caggctgaca ttgttcgctt aaatgtgaca 60

tgttttgata aattcccaat aagcacggat aaaagaaaat aaattaaatt aaatgttttt 120
 gacatattaa aattaaacta tgcacatatt aatttataaa atctctgtca ttttaactct 150
 tcaaaagact ttgacttgt ttataaacta attntaattt atggaaaaaa ttaaatttat 240
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
 aacacattact ggttttca -- 378

<210> 14345
 <211> 378
 <212> DNA
 <213> Glycine max

<221> unsure at all n locations
 <400> 14345

agcttctagt tggcattgat tcttgggtga ttcttttaac aacttcattgt accgctcaac 60
 tggatcacac caccgtaaaa aaaaggacca cataacccaa tctccctaac aagatgaaca 120
 attaagtga ccatctatgtt aaaaaatgat ggaggaaaaat acatctctaa ttgacaaagg 180
 acaatgacag cctcattctc canatcatct aattgtcgag ggttgatgac tntgctatag 240
 atagtattaa aaacaaagca canatgagtt atggcaaccc taacgttggt aggcaggata 300
 ccccgcatcg ctacagccaa tagttgggtgc attaagaagt gacaatcaca agactttcaa 360
 gcgacccaat tgagatca 378

<210> 14346
 <211> 496
 <212> DNA
 <213> Glycine max

<221> unsure at all n locations
 <400> 14346

gcttctttaga ctggatcacc ctctctacac tegtgttang tctaactctc aagaacacat 60
 gatcaccat ttctaactct agcgyctctc atcgcttacc catataagac ttctnacctt 120
 ctgtctatgc tngcatctct ttctgaatta agttgatctt ctctatagtt ggttgaagg 180
 actctagccc cacaaccatg ttccaccat cttgatacca acaaagagat gtctacacc 240
 tctctcttag catgattgtt gtangtgaat tccacaacag gtagaacctc ttccctactc 300

ccaaggtgat caaagacaca agccctcaac anatectcta atgataggat ctteectettg 360
gaatgcacat negttgatcg aggcctgacc cgaatcanat aaaaattaan aatgtagtat 420
ctaggaagtg atcttangtc atctcccaac gagcaatggt caatcaaaac ttcataacag 480
14345

<211> 498
<212> DNA
<213> Glycine max

<23> unsure at all n locations
<400> 14347

agcttgaata aatatattat tcaattttaa tatttatattt tcataaaaaa gaaaaaaaaa 60
gcaatccttc ttaattgttt ataaacaaat attaaataaa taaaatgcct gaattaatat 120
tcaatctctt aaaaacattt aatattttta ttttaataaga ttaattaaaa aaatgttaact 180
ataagtagat ctagaattat gtcttattag aattatatac aaatccttcc aatgaattag 240
aatcataatg gcaagagacc aactttngtt attttttctt caaaataata aaatataaaa 300
aattattcaa attattttaa taacattttat tgtattttaa attaanaatn gattcaccag 360
ttaacccgtt atccacaga cccacttaac ctangagtg catacatann atattgatcc 420
aaogtgcctt atttatatat ttgaagaaat ataactcatat tanaaaattt aatttatctt 480
acaattgtgt attttata 498

<210> 14348
<211> 277
<212> DNA
<213> Glycine max

<23> unsure at all n locations
<400> 14348

agcttcacatt gtccaatatt gggcgtctat tatattatgt gcgtgagtcg gacctctgag 60
aganaagcta tgaccatttg aatcgctcaa tagctttcac tatcaatttc gagcgtctcg 120
atatattata cgcctgaatc ggacctccga gtgaaaagga atgaccattt gaattttctc 180
agagctctcg ttgttcaatt tcgagcgtct cgatattcta ttgctctgaa tcggacctcc 240
gagtaaaagt catgaccatt agaatatctc gagagct 277

<210> 14349
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14349

atggttaagat ggaagtcaca cccaccacag gattctttat gggatatgga gatggagtea 120
 aaggattata agtctgggtct tcctctgaaa gaaaggccat tctgagttaga gatgtcatct 180
 ttgacaaaat cctctatgttg cattcaaaaat tcaatgaaga attggggcaaa gctaacgatg 240
 tcaattaagca ggtggattnt gatagctcta caataaaaaa acataagcaa ttaggatctt 300
 caaatgcacc tcaaacatca aaacacaaca ccagttaagg cgattgactg gacgagtcac 360
 aacatctcat agaagctaag aaccacaaca cccagataga cataaaggca tatcacagct 420
 .
 cttgaaagat atgattctga gatagtgtc 449

<210> 14350
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14350

agcttcaaca tcagactcct tncaggtgct ttaactactt cacatggact tgatggggcc 60
 tatgcatggt gaaagccttg gaggaagag gtatgcctat gttgttgtgg atgatttctc 120
 cagattttac tgcgtcaact ttatcagaga gaaatcagaa acctttgaag tattcaaaga 180
 gttgagtcta agacttcaaa gagaaaagga tctgttcac aagagaatca tgagtgaaca 240
 tggcagagaa ttgaaaaca gcaggttcac tgaattctgc acatctgaag gcatactca 300
 taagttctct gcagccatta caccacaaca gaatggcata ttgaaagga aaacaggac 359

<210> 14351
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 14351

catggaagcc ttttttagtg tttaaaaaaaa ttgagttgta ctatattatt tctagatgto 60
ataaattaat atcagcaagt cattaagata acaatatigt gattagcaat taattaaatt 120
tattagccaa ttttcacgtt tagcttaatt atctgcacc aatccgcaat cctcctttca 180
atttggtgac atttgattta attgactatc actcttcttc atttattta tttttttttt 240
tcttcttctt tttttcttct tttttcttct tttttcttct tttttcttct tttttcttct 300
ttaaaggcaat tttcgaataga atttcagatg atctggaaat aaaaattagt aaatacataa 360
ctactaanna attataaaat ttaaagtaag tgcgaagttt agtataaaaa atac 414

<210> 14352

<211> 415

<212> DNA

<213> Glycine max

<221> unsure at all n locations

<400> 14352

agtcacctgc ggcattgcaag ctngcataca agattctctt tgcctggcac ttcaaaaact 60
tcttggttggg tcatatagat gtcttctctt aaatcccat gcaagaatgc agttntaaca 120
tctaactgct ccaagtgaag attctctgca gctactatgc tcagaataac tctgatggta 180
gtcatcttta caactggaga gaagatctct gtgaaatcaa ttctctggtt ctgctgaaac 240
cctttcacca caagtctctg ctgttatctt cttctacagt cagattcttt ctttagccta 300
tagaccacac tattctgtaa tgccttcttt ccttctggca atttagttaa agaccacgtc 360
ttattctctt gaagggatgt catctcatct ttcatogeta gctccacact aatag 415

<210> 14353

<211> 410

<212> DNA

<213> Glycine max

<221> unsure at all n locations

<400> 14353

agcttagact gagttcagcc taccatcttc ataactgatgc ccaaaactgaa cggaccattc 60
agtcgttggg ggacctttta agagcatgtg tcttatagca gaaggggaagc tgggagaatt 120
ttcttcacat atagaggttc acttataata acagttttca ctctaccatt ggcattggct 180

octatgaagc tttgaatggt agaaggtgta cgacacccct atgttggtta gagccgcag 240
 aaggcccat tntagtgatg tggcaccatt ttctctatt ttctaaaccc tttttacac 300
 actttaatta ctgattggtc ttaattgtca attaattagg cagttttatt atttggcttc 360
 atttaacata attgatgttc taattcaatt tcaatcaatt atgaaaatt 420

<212> DNA
 <213> Glycine max

<400> 14354

aatgagttta tgagcaactt aggattcaaa agatgtgaca tggaccattg ctactatgtt 60
 gagaaatata ctaatatgta tgttatccct gtctgtgatg ttgatgacat gttgattaca 120
 ggatctagta tgatagaaat taatagtttg aagcaatatg tggcagaaaa ctatgaaatg 180
 aaggatcttg gtccacctat acaaatccct ggtatgagaa ttcttagaaa cagatcacaa 240
 tgaattttga agtt 254

<210> 14355
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14355

agccttcaac gtattagaca gggcaatata ctttcttcac agagctgggc aatgtactaa 60
 gtgtactttg ttaaactatt taagtagagt tgtaaacggt tgattgctag ctgaaaagtt 120
 tatttagcta ttcgataaat aaatttttag taacttttaa tatttttaca caccattnga 180
 agcaatatta ctagaatat taatatttaa aatctaactg tctatattga tatatcttta 240
 ttatcaatat atttattcat atgctttgat atctctttta aaaaaatcat gatatcattt 300
 ctgttatcat tgcataaatc ttaactatct taataattaa t 341

<210> 14356
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 14356

tgcagctgca gottacaaca gattttgttt gacctcttt cctacaatta aaataactct 60

tttctctctc aagtgtttcc ctctctttct cactctcaag tgttgtgtct accttttctt 120

tatctctttt ctttgaaga agattctctc tcaattctt ttgatctca cacacttcta 180

tttctctctc tttctctctc tttctctctc tttctctctc tttctctctc tttctctctc

tttctctctc tttctctctc tttctctctc tttctctctc tttctctctc tttctctctc

tttctctata ggaacaacat cacanagtac cttatcattg tttctctaat ggaacgtctc 240

acttacactg ctgctctca 300

379

<210> 14357

<211> 351

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14357

agcttcatgg gtctctctctt atcatagttt cttacaggga tctctctttc attagccatt 60

tttggcagga tatatttoga ttaagcggca ctgtctctac catgagctca gottaccatc 120

cgcagactga ttgccaact gaggtgtctc atcgcgatgat tgagcagtac ctgcgtgcgt 180

ttgtccacgg cagaccaaag aattggggaa gattcatccc ttngntagag ttgtctcata 240

actcgtcttg gtctgtgttg tctgggtcta caccgtatga gattacatat ggaagganac 300

cttttacatt ttctgactac ctcttngca catcgagact tgacgcggtg g 351

<210> 14358

<211> 467

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14358

ataaacttca gatttcagag ctcttttaga gcacannaat ttgtgtctct ctcttctctt 60

cccttcatte atctctctct tcttccaagt tcttatccat ggcctctat ggtgggtgagc 120

ttctcttaga ctctctctct ctttgaagtg gcattctctc tctctctctc ttctctgatt 180

ctatgcatt catattccaa gaagcaaatg aatccattga tgaagaagat cctagacctc 240

caagctccaa tggagcttac atcatgtggt atcaagagca tcttcatcta ggtgatgctc 300
 ttttgctccc tctatctttt tgttgggtga attatcttta attccttgcct ctccatctta 360
 tcttccatgt atatctcca ttgtcttggt gtttgggtgc atttagagta aattataaaa 420
 aataaacga ttaattctta gatctacac tgtcttggca tttctat 480

<212> DNA
 <213> Glycine max

<400> 14359

ttaattctg acctgaacaa cacatctcca atcaattcat atggttttgt gacagagcga 60
 ttaacaaact ggaggtgcat gcatgtgggc attatctcta tctctccaag tcttgcacac 120
 atggagagag gcattaaatt gatactagct cccaagtcta tgagagcttt aaccacaaca 180
 aactaaccaa tagaacaga tatactgana ctccaggat ctttgtgctt cgggggaagg 240
 atggtttgaa tgaccacact atagttacct cccacaacta ttgtgtcaact gtggatatac 300
 cggttattct ttgtcagcat gtcttttaaa aatttggcat agagtggcat ctgtttggaga 360
 gcttctccaa aaggcaagt gatcttcac ctc 393

<210> 14360
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14360

tcttgtctg aatcaacaca tcttcaatca ctccatattg tcttgtgaca gagcgatcaa 60
 ccaactggag ggtcatgcat gtgggcatta tctctatctc tccaagtcgc cgacacatgg 120
 agagagggcat taaattgata ctagctccca agtctatgag agctttaccc acaacaacct 180
 caccataga acatgatata ctgacacatt caggatcttt gtgcttengg ggaaggatgc 240
 gatgaatgac cacactatag atacttcca caactattgt gtcactggcg atataccggt 300
 tattctgtgt caaat 316

<210> 14361
 <211> 267

ggcaattcaa ttttgtacgc attgccattt atccttttcaa gtaattgaaa tggaccatcc 300
 cctcttgggtt gaagcttggg ttacctttgc tccggaaaacc tctcctttct catgtgaacc 360
 caaaaaccaat ctttgggttg gaaaacaacc attttgcgcc ccttggttgc tgttagcata 420
 ctct 484

<210> DNA
 <211> Glycine max

<400> 14364

ttcttcttta tatcatcaat tcttcattgt ctacaagaag gtctacctgc atgaaatttt 60
 ctgctaggaa gctctctctt ttgtgcgact atgtcatctt cttctctcag tgtagaagca 120
 agcttgacag gttcaggtgc aggtgctgct actagtggag gcaattgaat ctgggttggca 180
 gaacttaagg ttatgggaact cacattcttt ggattcttgc tagcttgtga aggcaattcg 240
 tcagaatatt gggactgagc ttgattcaac tgagttagcc tctgccccat ctgatatgtc 300
 acaactctaa tggaagctct tgtctcttgc tgaaattgca tattctggat ggtcatatgc 360
 ctcaactaact ct 372

<210> 14365
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 14365

tgcgaagctga tgattacatc tcccccttc tattcttatt cttcttgata tcatcaaaat 60
 cttcatgata ccgaactcgtt ggtggaggat gcatgaatga caatcaattc atggggctcc 120
 gaataaaagt ggagaatgga ggataggcga agagcgtac gcaatcaatt cgggggtctc 180
 ccgaactcgtt ggtggaggat gaatgagtga cattcatctc atggggctcc gaataatagt 240
 ggagaatgca cgataagaga atatcgttaa agcgtcaatt cggggggctg catactcgac 300
 tgtgggaaga agcaaaaatg acaatgatct catatggcta ctaataaaaag tgggtcaatgg 360
 agaataggcg aggagcgt 379

<210> 14366

<211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14366

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

tttcaaat ttgtgttg tggctcagc ccactatata acatgttcaa ttgaattggc 180
 tcaaggagtc catgtgtggg agtctttctc aacataacct agaacctctc caatgcttca 240
 tcaaggatt catcagggaa ctgggtgaaat gatgaaatag cagctctccc ttctgcagtc 300
 ttgactcgg ggaagtatct ctccataaat ttataaccaa ctctctccca cgtcttcaga 360
 ctgtacactt tgaatgaata gagccatttc ttgtctctc ctgcacaaga aatgagaat 420
 acattgagcc taatggettc atctggcatt actgctatct tcaacgtgtt acaaattctc 480
 atgtaca 487

<210> 14367
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14367

agctntatcg tcaacaaaga ttggtatctt attcttcatt tacaaaagtc ttgttatgct 60
 ctctcaagac cctattcttc gatatttttg ggttactttc cttgactaaa gcttcgtgac 120
 gaactatgta cyacataact tcattactgt tattcagtat atacaaatga gcttggtgca 180
 attctctatg acttggagtg ataacagata gtccccctga acccttacct ctcaactctc 240
 cgttatgcca agaactcgga accccaatag gtattttctt ttccatgtac tcggaacaaa 300
 actcaataga ttcttcgcca atgtaccttt caacaataga tgcttcaaga cagtgtagat 360
 tcttctgtga tctttttaag atcttcattg atcgttcaac taggtacatc catcgcaaat 420
 aaacacgacc acaacattta atttccctc 449

<210> 14368
 <211> 333
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14368

cttgagccaa ttcanaagac aantaacttt tactcggacg tctgatttag tcccgccata 60

cttctgagcc ttcnaagac aantaacttt tactcggacg tctgatttag tcccgccata 120

cttctgagcc ttcnaagac aantaacttt tactcggacg tctgatttag tcccgccata 180

cttctgagcc aattcaaacg acaataactt ttctcgggga tctctgattg agtctgtgca 240

tatctcgaga cgcctgaaat tgtatgttga agctctgtac caattcaaac aacactaact 300

tgtctactgg atgtcagatt gagatccgtc ata 360

<110> 14369

<111> 367

<112> DNA

<113> Glycine max

<400> 14369

agcttcccaa gttttaagtt attcctcttt tctgtcctaa gcaaagttcc aaaagtccta 60

ttaacaactt cggtttgccc atcggtttgt gggtgacaag tggttgaaaa taacaattta 120

gtgcccact tgcctcacaag agtctcccaa aaatgcaaat catcaagcct aggtatagga 180

tgcctatatt taatggtgat gttattaagg gctctacaat cagaacacat gcgccatgtc 240

ccatcctttt tagggaccaaa aatcactggg acagcacaag gactcatact atctcttacc 300

caacctttgc taatgagttc atccacttgt ctttgaatct ctttggtttc ttgtgaatta 360

cttctat 367

<110> 14370

<111> 415

<112> DNA

<113> Glycine max

<400> 14370

gaactacaat ggaaccacca ttatatttcg ccaagaacac acatcctgag tggaaaccagg 60

ttttcgccct ctggaaggac cggcttcagg cctctatgct ggagggttaat gtgatagata 120

aggatgttct gaaggatgac ctcatcggcc ggggtgtggt ttacctgaat gagatcccca 180

aaagggtacc tccggataga cctctggttc ctcatggtta tagatggag gatagggaata 240

gcgacaaaagc gaagggggag ctgatgctgg ctgtttggat gggtagacag gctgatgatg 300
 cttttcccca agcttggcac ttgatgctg cgatgggttag tgggagtgat gctcttgoga 360
 acattagatc gaaagtttat ctgtctccca cgctttggta tttgaggggt aatgt 415

<210> 14371
 <211> 11
 <212> 11
 <213> Glycine max

<223> unsure at all n locations
 <400> 14371

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 atgagaactct actaatgttt gaattcaaat ccaacaagtt tgatccctca ctatttggtt 120
 attttaaggc ttcacacata atctacattc cggatatgt tgatgacatc ataaaaacat 180
 gaaatgatat tcccttatta catcaactca tttctaagct aaatatagta tttctctca 240
 aagatcttgg atcttcagat tatttcttgg gaatgaaagt aaagcatctt ttgatgggtt 300
 ccattgcttt aacttacacc aaatatatta gagacttaat gggcaaaaac aacatgttag 360
 atgtcaaaaac tatatcttcc ncaatggtaa ctggctataa gctcaactag aagtgggtct 420
 atccctttgt tttatcccta tatgtat 447

<210> 14372
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14372

agctntgtta gctctagagg tattacttta taaattccat taacatttat gttaaactaac 60
 aataagaata attatcttgg atccattcaa ctaaccatgt gcaacaaagt aaataactac 120
 attacggcat aatacaaga aattattatg aatttattta ttaacaaatg ttcacaatat 180
 ctctcaaaac tatgcaacta tactacttgt taaataaaaa ttatatcagt cctctatttg 240
 atttacatat actatagaga caagaatcat ggtcaacaat tttttccag cattataaac 300
 aatcaaaagt atgttcaatc aataattaaa tcatagtcac caacacatga caagctttgc 360
 acaatagaaa acactac 377

<210> 14373
 <211> 404
 <212> DNA
 <213> Glycine max

atgcttga tcttttggga gtaatttata caataaaat at aagcttata caataaaat 12
 agctcacaag aaaaattctgg taaagactac atatgaaaaa ttagcttggc cttaaacatc 180
 aattggtaat ttaataaagt gaactgctgg gtaatttctt gaataaataa attcagatct 240
 taaaaatgat aatttcataa acttttacta tacaacatat agacttaaga caaacattga 300
 gataaaaact atagaagcat ggcaaatgtt catctgcaac caacaggaat gtaggtcaca 360
 cattgaaaca gatatgttta tctcaatctc atactccatt cttc 404

<210> 14374
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14374

agctngcatc onncattttc cttattcctt caagctataa caataaaaagt attatcaata 60
 ccatcaaatt aaaccaataa ttaattaaaa tggtcacatt aattatatgt catgccatgt 120
 tgtcaacaat actgectgat aattaaaatc aaaataaata caaaactcat gggtttttaac 180
 tattagttatg attatgacgg ttagaaataa tctaagttct acatcgatta aaaataatct 240
 caaattagaa tatataagtg agggaaaacc tcactccttg aactaacttt tgaaattgag 300
 ttagactttt cacattatct attctaagaa tatattagag tatattatca tatcttctaa 360
 ccatgactat t 371

<210> 14375
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 14375

agcttcagta aataggcatt actcatatac tctttcagga caatategcg attcaggtgc 60
 agcatacast ggtaaattta caagttcagg aatctttggg tetctcaaac gaagatgagg 120
 aggttgatca tgttcatgat ttgtgttgcg cctgogatgg aactaaatat aaatgootat 180
 caadaaagaa aatgaactgc aaactatata tcttgacaaa atattcagta attctgttca 240
 tttttatca aaactatata cagagugggt gacacaaatt attactaat aaatcagtga 300
 caatcaggt ggtttttaca cagcgaaatt tttcatattg cacattgagt ttac 360
 atataaggtt ggtttttaca cagcgaaatt tttcatattg cacattgagt ttac 420

<110> 14376
 <111> 441
 <112> DNA
 <113> Glycine max

<223> unsure at all n locations
 <400> 14376

agcttatatt aactctctct ctagatgtta ttgttaacgc aaacactcaa aatggaaatg 60
 ctctttttgca cccaacattt aacttctctc attacatgcc gtagataaat ataacaaaat 120
 tcaatcttag tcttaactcac ttatcacatg acataataaa atattggagc atatattcga 180
 ctacctaaac agttgootat tttatatgat agtattgttt ttctaccaat agaaaagatc 240
 taagtattat gtttaagtaat ttcaaattat gtcttattta taattaaaaa aattttattc 300
 ttgtctctat caaaataatt gaacttaaat ctttaattgaa acataagtaa gtgataataa 360
 acaghtataaa actgtgtgtc ttgaaaaagt ctctaanatt aaatcattaa agtaacatgt 420
 gttatcagttg gctttatacc g 441

<110> 14377
 <111> 426
 <112> DNA
 <113> Glycine max

<223> unsure at all n locations
 <400> 14377

agctngtaet cgaagccctc tntctattgt tgaggctcca cccgcgcagc ggatactagc 60
 tcttgagttc gcttctctca atcgactctt ttgtggagcgg gcatacaagt atcgccctgt 120
 taatgtggtg gaatttgaac ttcccgcgca gcagtgtgtg gtttaacttg atctgaagcg 180

ggaggagtgc accaatttgt tcccatctgg ccgagtatat tccagggcat tccattttacg 240
 tggacaaggg tttttcttat cagcacattg caacatggac caacagagct ctttccattg 300
 ctttggtctg ttcttaggaa tgcaggaaaa ggggtcagtt agctatgcgc ctgactatga 360
 gtttcttctt aggtcaagc caacagaaat atttcttctt aagttcaaaa gcaatttatct 420
 attcac 480

<210> 14378
 <211> 246
 <212> DNA
 <213> Glycine max

<225> unsure at all n locations
 <400> 14378

agctntcact cgcattgtccg attcaggcgt ttctgttctg agatgctaga natctaacaa 60
 augaagctct cgagaaatct aaatggctat aactttctac tgcgatgtgc gattcaagcg 120
 cataacatat cgagacgctc gaaattgaac aaagggtatt ttcgagaaat tcagatggtc 180
 gtaacttttc actcgcattg gctattcagc acattgagta ttgagaccct tgaaattgga 240
 ccaagg 246

<210> 14379
 <211> 444
 <212> DNA
 <213> Glycine max

<400> 14379

atctcttgag tcacctgcgc catgcaagct tcaagaatta tggctctcgc aaactacttg 60
 tttcttgagg gaaattctat aaatagacct cccatcttta atggagtggg ttatcactac 120
 tggaaacccc gcatgcaaat cttataaag gcaatagatt taaatattta ggaagccata 180
 gaacaaggac cttatgttcc ccatataata gccggaagtg caacaataga aaaacctata 240
 gcagattgga ctgaggaaga aagaagatta gtacaatata atttaaaggc caaaaatatt 300
 attacatctg ccttaggaat agatgaatac tttagggttt caaattgtaa aagtgcataag 360
 gatatgtggg atacactaca agtaacacat gaaggcacia cagatgttaa aagatctacg 420
 ataaacactc taactcgtga atat 444

<210> 14380
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14380

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aaaggaatag ctgtgacgaa gaagagggac ttgtatctta ttatagacc aactcatagn 60
      aaaggaatag ctgtgacgaa gaagagggac ttgtatctta ttatagacc aactcatagn
ataatcacat gaatccaaga caaaaaataa gaactctctg gagacttaca ccttccaaat 120
      ataatcacat gaatccaaga caaaaaataa gaactctctg gagacttaca ccttccaaat
ctcaaatata aacaaatgaa taaatttcat atattaaaaat cttatttaat aagatgatct 240
      ctcaaatata aacaaatgaa taaatttcat atattaaaaat cttatttaat aagatgatct
taaaaataat ttctatttaa taagatcaat tgttttatat ttaatatcaa gtttaataaa 360
      taaaaataat ttctatttaa taagatcaat tgttttatat ttaatatcaa gtttaataaa
aaatlaatta aaacattata aataactcaa ttaataaaaa ttaactaatt tctttaataa 360
      aaatlaatta aaacattata aataactcaa ttaataaaaa ttaactaatt tctttaataa
atataaataa tgggtgttta taatcgagat gttagctaata tcttaaaaaa catatgagac 420
      atataaataa tgggtgttta taatcgagat gttagctaata tcttaaaaaa catatgagac
tcatttgagt tcttcataat gtttggataa gaattaatta atatgacaat 470
      tcatttgagt tcttcataat gtttggataa gaattaatta atatgacaat

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<210> 14381
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 14381

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actcaagctt cttagtttca gatgatgcag ctgcattcgt atotttctta tgcactcttc 60
      actcaagctt cttagtttca gatgatgcag ctgcattcgt atotttctta tgcactcttc
taatgaactat agcatcattt ctggcgctaa actgctgtga gttggaagcc atctttctcaa 120
      taatgaactat agcatcattt ctggcgctaa actgctgtga gttggaagcc atctttctcaa
ttaaattttct ggtttcagca ggagtcattg ctgcaagggc tccaccactg gttagcatct 180
      ttaaattttct ggtttcagca ggagtcattg ctgcaagggc tccaccactg gttagcatct
tcatactttct ctccatatta ctgagacctt tctaaaagta ttggagaaga agctgcttct 240
      tcatactttct ctccatatta ctgagacctt tctaaaagta ttggagaaga agctgcttct
aaatctgatg gtgaggggcaa ctggcacata tgtttttaaa tctcttccag tactcataca 300
      aaatctgatg gtgaggggcaa ctggcacata tgtttttaaa tctcttccag tactcataca
ggctctctcc actgagttgt ctaataactg agatatactt cttgatggct gtggctctag 360
      ggctctctcc actgagttgt ctaataactg agatatactt cttgatggct gtggctctag
aagcagggaa atattttctt agaatactct ctta 394
      aagcagggaa atattttctt agaatactct ctta

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<210> 14382
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14382

gggcacaaga taaaaaggta tgggtatata cctctctata gttngaactc cttagatgga 60
 tggccatcca ccaagactga gaatgtaatt gtagagacac acctcnaat caaatccacc 120
 caatgagttg ggatacccaa ttgttctaga actctcctca agatgatcca ttctaccctg 180
 tggcctttg cctgtctgtg ttgttctaga actctcctca agatgatcca ttctaccctg 240
 tggcctttg cctgtctgtg ttgttctaga actctcctca agatgatcca ttctaccctg 300
 ggcaaaaaag pyttctatgt ttctgcctca atagtgggaa ggatgatctt caatttatt 360
 ggcctagttt tagtcaccaaa ttagaagacc acattacata gastaattga catcaactca 420
 ctatcatgtg ctgagaatttt cacttttga atcaagggaa tccaagtctt a 480

<210> 14333
 <211> 477
 <212> DNA
 <213> Glycine max

<22> unsure at all n locations
 <400> 14333

agcttatect gatgccaaaga accagocaca tgttcttgtt agtccaaget atttccattn 60
 tcttgccttga aatagtctga tctatgtttc cttttgtctg gatctactcg atctgagga 120
 tctttttctt gatcaatagg tggcacaaag attgaagcaa caaggctact cttctgggtg 180
 ctctgttggg gatacaatec cttatantaa ttgctatgag caggtttgtc atttagtcac 240
 tctcccaatc aaaggccaaa tagtgcaact ntgggaaatt ntttgcctcg agtatttggg 300
 gtatatgnt gctccaattg tatttttaat attatgttct gctntgatta ggggtggtagt 360
 ccaggccagtg cagctggcat tgcctcaact gccagacatc ctgatgaact taaacgagat 420
 caagggaact ggtgatnga cattgattac tatntatcac aacaggtctt tatattt 477

<210> 14334
 <211> 245
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14334

tctcagagagc ttctgttgc caatttcgag tatctctata tgggatgcac ctgcctcgga 60
 cctcttagtg aanaattatg accatttga ttctctcgaga gctttgttgg ttcaatttcg 120

agcatctctata tatgtgatgc acctgcatca gaacctccgag tgaaaagtta tgagcaattg 180
aatctctctcaa gatcttccaa tgttcaattt caagcatctc gatataattat ggcctgaat 240
cggac 245

<213> Glycine max

<223> unsure at all n locations
<400> 14335

agcttgatat agtctgggtc tgtcaattcc cgtctctacg tacagtcttc aagcaacctc 60
cttgagattg tccactctct gtgtaaaact ccttttataa agtctgaacc acacacggac 120
gaaccttggc ttgggttcga gaactctctc caacaagaga ctctcagctc cttaattgct 180
tttgagaagt aagaagatga gaagaagacc tctctcttat nagggataga ttgtcaatga 240
agaccaatca naattcctta ttgaatgtgc aagtgggtga ccaaggaatc ttattgagag 300
cataagaca 309

<210> 14386
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14386

tatgttgcac atatntacaa tagacctctt caacctcagc atcaaaaatca accgcagcag 60
aacaattatg acctctccag caacaaatac aacctggat ggaggaaatca ccttaacctc 120
agatgggtcca gacctcagca acaacctacg cagcctgctc ctctcttcca aaatgtctgt 180
agccccagca gaccatacat tctctcacca atcgaacaac agcaacaacc ccagaaacag 240
ccaaatgttg aggcctctcc acaaccttcc ctggaagaac ttgtgaggaa aatgactatg 300
cagacatgc agtttcagca ag 322

<210> 14387
<211> 362
<212> DNA
<213> Glycine max

<400> 14387
 atctggaaaac tcatgagatg aagaaattct attcttgtct tatgcgcgct tggatgtcgg 60
 aaagtatttc tgaagaatt tctccataac ctcttcccat tttcttaggc tatttccttt 120
 tttcttcttct tcttcttcttct tcttcttcttct tcttcttcttct tcttcttcttct
 tcttcttcttct tcttcttcttct tcttcttcttct tcttcttcttct tcttcttcttct
 aaagtgggtg taaggatctt tatatggcaa tcttataat agglagttct gtttttca 180
 tattagagaa tgtgggtaac agaattgtgc aacattgtac ctctagccac acaatacttg 240
 tg 362

<210> 14338
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 14338
 cgttcacatc cggctcacta actcggcagc cttttctgca ccttagtata tctttgcgta 60
 ggaagaatta tggcgggagg atctctaccg taaactacct gaacaggtgt aattccgata 120
 cctacatggc aggaagtatt ataccataat tcagcccaag acaaccaata cgaccagttt 180
 ctgggtctgt cctatgcgaa acaacgcaca taagcctcat gagatctatg caccacgttg 240
 gtttgaccat ccatttcggg gtgaaaagag gaactcatct tcaaggttgc tctttgtagc 300
 cgagatagct ccttgcaaaa catactaata tataggatct aggacactag caatggagtg 360
 tggcactcca tgta 374

<210> 14339
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 14339
 aacataagca ctataactat ttatgaaagc tggagttgct gcacatgatg tccaaaghta 60
 tgtcaaaaga taagatcggg ctgcacaatg cacaaggcaa gataaagtgt caaatgaaga 120
 attgaagctg cagatctcac gatgtcggat acaatgtcca ggaratcttg cctgaaaata 180
 ctggaattgc taatagcat gaagctgcag gatccacgat gtccgatata angtcagga 240

catcctgccc gaaaatactg gagttgctaa aagcattgaa gttgcaggat ccacgatg 298

<210> 14390
 <211> 244
 <212> DNA
 <213> Glycine max

atgcaatggg agatattgaa aatcaatcat gaaggaaact ccattgigaa tatgtataga 60
 ttgcaactgt tggccacaaa attcgaaaat ctgaagatga acgaggaaga atgcattcat 120
 gacttccaca tgaacattct tgaatttgc aatgcttga ctgcttctgt agagaagatg 180
 acagatgaaa agctggtgag aaagatctct agatccttgc ctaagagatt tacatgaaag 240
 taat 244

<210> 14391
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14391

catgcaagct tcattctcgt ctactaactc ggcagccata acttcaactc ttgtttcttc 60
 ttgtgtaaaa tgaattatgg tgggaggttn totaccgtaa actacctcan aaggtgtagt 120
 tccaatagat acatggtagg aagtattata ccataattca gcccaagaca cccaatacga 180
 ccagtttttg ggtctctcgg atgcaaaaaca acgcanataa gcttcaagac atctattcac 240
 caattcgggt ttaccatcca ttccgggtg aaaagaggaa ctcatcttca aagttgttcc 300
 ttgtagccga aatagctcct tccaaaacat actanaatag aggatctagg tcaactaaca 360
 tggattgtgg caatccatgt aaccagacaa tctctntggt aaacacctcg gctattttct 420
 ttgctgtata aggggtgctng aggggtatga agtgtccata ctttgataat ctgtccacaa 480
 caac 484

<210> 14392
 <211> 279
 <212> DNA
 <213> Glycine max

<400> 14392
 atctctctctt tcactacatc aataatcacc ttgtttatgt cttctctggg ctgtcttact 60
 gtttagctc catctctctaa atatattoga tgcatacatg tggatgggct aataccacga 120
 ctgtctctca ggtctcagcc tatagcttct ttatcttct tgagaactga caagaacttc 180
 ctgtctctca ggtctcagcc tatagcttct ttatcttct tgagaactga caagaacttc 240
 ctgtctctca ggtctcagcc tatagcttct ttatcttct tgagaactga caagaacttc 300
 ctgtctctca ggtctcagcc tatagcttct ttatcttct tgagaactga caagaacttc 360

<210> 14393
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14393
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 anaattctta tgaagagcag tgggaaattg aagaccagat tacacaaatg cagaanaggg 120
 ttgcaagctt gcaagatgag ttggaatta atacattcat agaagataac gatgcacgag 180
 ctctgatggc tgcaacagct ctgaagtcac gcaaagagac cctggctaag ttgcaagagg 240
 cacaggcaca atcatctgaa gaggtctaaag aatcatacca aatggttaag gaagctcaca 300
 gcaagtttga aacctttaga gacctattca ttntctaaca taagagtc 348

<210> 14394
 <211> 255
 <212> DNA
 <213> Glycine max

<400> 14394
 gctggagatg gccactcta tctgagagac tctgtttaca cagactgaac cagactggga 60
 cacccttcc ctggtgtaca ataactctat acaccaagat ggctgtgaga ctctcagtc 120
 ctgacagaa gcttgcattat gagatgaaga ttctctctct aattgggatt gatggaacat 180
 tgaagaccag atcaaaagtc cttattgaat gggcaagtgc gagagcaatg tgtctttgtg 240
 agaggtataag acatt 255

<210> 14395
 <211> 351

taaaagggat agattgtaca atgaagacca atcaaaaattc cttatttgaat gtgcaagtgg 240
 ttgaccaagg aatcttntg agaggataag acatttcagt tcagatnaac totgggactt 300
 togagaggat aaaac 315

----- Glycine max

<23> unsure at all n locations
 <400> 14393

atgaatcana natctgcacc tgttgccaga cctctgtggtt tatgctcttc tgcacaaccac 60
 cacacagacc ttgtcccttc tgtgcaacaa totgaagcaa tgaacagcc tgaagcttat 120
 gtgcaacaa totacaacag acctctctca cctcagcagc aaaatcagcc acaacagaat 180
 aattatgacc ttctcagcaa caggtacaat cccgggtgga ggaaccatcc caaccttaga 240
 tggtcgaatc attcagagca gcagcaacaa caacaacaa cttattttta aatactgogg 300
 gcccaacaga catatgttcc tcatcctcca cagcaacaca gcacaacctc gaacagaaac 360
 agt 363

<210> 14399
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14399

agctttgggc acaagatata ttgtatggg tatatacttc totatagttt gaactcctta 60
 gatggatgcc cttcaccaa gactgagaat gtaattgtag agacacacct canaatcaaa 120
 tccacctaat gagttgggat acccaattgt totagaactc tctcaagat gatccattct 180
 acctgcacat aggttttaga catgtataac ttgaaagcaa ttgaacattt cctccccatg 240
 atctttttct tcatataata aaagcactca aatgccacca aagcattatt agtaatcaat 300
 ctatcaggca caaaagcgtt ctatgtttct cgcacaatat gtggaaggat gatcttcaat 360
 ttatttgcaa tagtcttagt caccaattag aagaccacat tacatagaat annatgacat 420
 caactcaat 428

<223> unsure at all n locations
 <400> 14402

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atgcaaccc ttaaacaccc cattcccta tctcatactg cagatctctt cttttcttgt 60
ctgcatactn nateatctga tggtagagcc gtaacaaatg actttttaagc tgattcaaaag 120
tcttcaatc tcttcaatc tcttcaatc tcttcaatc tcttcaatc tcttcaatc 180
tcttcaatc tcttcaatc tcttcaatc tcttcaatc tcttcaatc tcttcaatc 240
tactatgaa actagtgtta taccatatt ctgcccacgg gatccagtat gaccaggtct 300
tttggctgctc agatgcaaa gacctcaagt aacctctaa gcacttatcc agtacctcag 360
tttgcacatc agttttctgg tgggagggag aactcatctt caactcggta ccttgtaact 420
cgaacagttc catccagaaa tggcttataa a 480

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<210> 14403
 <211> 494
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14403

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agctngccaa cccatggaag ctctaatat ctccacact ntatgggggtg ggccattctt 60
ggatggactt gattttctca ggtccactt ggaccccatc tctaccaact acaaactcta 120
agaaaaactat attatctaca caaaaagtac acttctctat atttgcatag aggggtgtttt 180
tctaaggac tgaagaact tgctgagat gtctaagtg atcatctacg ctctactgt 240
acactaaaaat atcatcaaaa tagacaacta caaatccacc tatgaaatcc cttaagacat 300
gatgcataag cctcataaag gtcttgggtc attagtgagc ccaaaaggca tcaactagcca 360
ttcatataaaa ccaaacttgg ttttgaaagc gggtttccac tcat 404

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<210> 14404
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14404

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gcttggttga catccaaact tatcttgtta gttttatttg atcaaaaataa ggatgaattt 60
gtttaaactt aaaaaataa ctntaaaaata aatatTTTTT acataagtgt ttttttaaaa 120

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<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      14407

acgtatataag atattatggt cttaatctctt ttaagcctaaa cctttgcaga cttataaaga      60
cctttgcaga cttataaaga cctttgcaga cttataaaga cctttgcaga cttataaaga      120
cctttgcaga cttataaaga cctttgcaga cttataaaga cctttgcaga cttataaaga      180
cctttgcaga cttataaaga cctttgcaga cttataaaga cctttgcaga cttataaaga      240
tacaattaca aattcaacac aaacttagaa cataaagtta taattattat gaataacaat      240
gaacttaaga caacatgaat gaagtgattt aaacttagaa ttttgtgttt ttttttctaa      300
tttatatttn gcaagaatat tttgactgac aacatgattc aagagtagat ctatattatn      360
ttgaattgaat atctttatgt cttctaattt acaggtttag cacaagacta ttctgattga      420
aaatgataag aacctacaat caacatanna acatgattca agagtagatc tataaa      475

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atcttctctag gagctttctca cagaagaacc ctccattgg ccgcaaatgc accaaattag 120
 ctaaggaaca gatagcaagg ttttacatca tgaggagggtg tgttgccatg ttgggttggct 180
 ggcacaagca tggggattca tgaaagaagt gcacagatct tgtgcttagt tttattgggt 240
 gtcctctctc taagtctgat attatctctt aagact 300

<210> 14410
 <211> 258
 <212> DNA
 <213> Glycine max

<400> 14410
 catgcaagct cctattttca attacgagcg tctcgatata ttttgagact atgtcagaca 60
 tccgagtcac aagttattgt cgggttgactt ttcttagagc ttgcgttttc aatttcgagc 120
 atctcgatat attacagggc tcaataggac atccgagtta aaagttattg tegtgggatt 180
 tttctcagag cctcctgttt caattacgag cgtctcgata tcttatggga cacaatcgga 240
 catccgatto aaaagtta 258

<210> 14411
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14411

agcttccatc actacgggt cttgaaccga gccagtccta aagacaattt tcccctgcca 60
 cgcattgata tattggtaga taatacaacc aagttcgccc tttctctatt tatggatggt 120
 ttctcggggt ataatcaaat aaagatggca cccgaacatg tagagaagac cactttcgtc 180
 accctatggg ggaagttctg ctataaagtg atggccttcg ggcgaaaaa tgcctggggca 240
 accctatgag gtgtcatggt ggcgcttgct catgatatga tgcataagga aatagaggtc 300
 taagttagat acatgattgc caaggetoga actgaggatg aacaccttgc caatct 356

<210> 14412

<211> 438
 <212> DNA
 <213> Glycine max

<400> 14412

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tcttcacgtg aattacttct tttttgaaga atatgcttcc tctacataac acattaccca 180
tcttcacgtg aattacttct tttttgaaga atatgcttcc tctacataac acattaccca 240
tcttcacgtg aattacttct tttttgaaga atatgcttcc tctacataac acattaccca 300
tcttcacgtg aattacttct tttttgaaga atatgcttcc tctacataac acattaccca 360
tcttcacgtg aattacttct tttttgaaga atatgcttcc tctacataac acattaccca 420
tcttcacgtg aattacttct tttttgaaga atatgcttcc tctacataac acattaccca 433

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<211> 14413
 <212> 234
 <213> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14413

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gaaactctcg cyaaattcaa atggtcataa cttttcacac ggatatccga ctcaggcaca 180
taaatgtctg agacgctcga cattgaacaa cggaagctct ctagaaattc aaatgggtcat 240
aacctttcac acggatgtcc gattcaggcg aattacatat cgag 284

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<210> 14414
 <211> 246
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14414

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agctatanag actaaagtat ttgatctccc actaatatat cttactntnt tcttcaaca 60
agacttttgg tatactgatg tagctccatg tggagcttgt acgcttgaa tcttcttcat 120

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caatgaagtc ttttgcttct tgaagatcaa tgacgatgga atggagaacg aataaagatg 180
attggagaca ccacttccag gagaatatga gtcaagaaca ngctcaccac catatgaagt 240
catgga 246

<210> 14415
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14415
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caacaaagtt tgccaattta tgagtcagcc aacagaacag cattgggtgg ctgtcaaaag 120
aatcttcatt tatctaaagg gcacacttct atttgggttg aaactggaac ccaatttttc 180
tacaagacac tactttgttc atgccttttg tgatgctgaa tgggcttcag atctgatga 240
tcgaaggtct acctcaagtg ttgctgtgtt ctttaagccca aatcttgtct 290

<210> 14416
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14416
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tccaagggaa ttgtatcaga gacttgccaa gaattcaaaa gaatgattac cagtctgtgg 120
tttgaccttt atggcctgtg tggcacttct ggctctctct ctgcttttga acatgttttt 180
gttggagaaa ccaaacaatg gtgggtgaagt tctggctttc ataacatgct gcagctatga 240
cctcgtattt tcttttctgc ctgtttctaa ttatccattc acaattcatg ccaaatttaa 300
gdtgtattaa ctgtttatat tcgaagtgt at 352

<210> 14417
<211> 250
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14417

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 aaggtaacat tctctatatt tgcataagagg gtatttttcc taaggactga aagaattgtc 120
 tgagatgtcc taagtgatca tctangctcc tactatacac taaaatatca tcaaaataaa 180
 tctctctctc tctctctctc tctctctctc tctctctctc tctctctctc tctctctctc
 tctctctctc

<210> 14418
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14418

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 gaagatttcc agattgcaac tcttggtcac aaaattcgaa aatctgaaga tgaaggagga 180
 agagtgtatt catgaactcc acatgaacat tcttgagatt gccaatgcct gcactgcctt 240
 gggagagagg ataacagatg aaaagctggt gagaaagatc ctcagatcct tgccaaagag 300
 atttgacatg aaagtcaactg caatagagga ggcccaagac attngcaaca tgagagttaga 360
 tgaactcatt gytctctctc anacctttga gctaggactc tcggataggg ctgagaagaa 420
 gagcaagaat ctggctttcg tgtccaatga tgaaggagaa gaagatgagt atgaacctga 480
 tactgat 487

<210> 14419
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14419

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 tagatgtttc agagtatcca agaaatgttc catcatcact ctatgaataa aattntccaa 120
 gttatcttta gtgttaagaa tgaagcattt acacccaaaag agatggaagt atgatatgtt 180
 ggattttcgt cctctccata attcataagg agtcttcttc attatgtgtc tctatgaaat 240

tttggtttga aataataggt tgtattcatt gcttcaaccc ataaatgggt aggagtagca 300
 ttgtcattaa gcatggttct tgcatttct tgaacgtca tgttcttct ctcaactaaa 360

<210> 14420

<400> 14420

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 aaaaagttat tgtcattaga ttttctcag agctctctat ctgaatctcg aacgtctcga 120
 tatataaagg gtgacaatcg gacagctgag taaaatgcta ttgtcgattg attttgccta 180
 aagcttcaat ttgaatttc gagcgtctcg atatcttatg ggacacaatc ggacatccga 240
 gtaaaaaggt attgttgttt gaatctgctt agagctctcg ttctcaattt cgagcgtctc 300
 gatataattc gagagtcatt cagac 325

<210> 14421

<211> 481

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14421

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 gggaatgtcc accattattt ccctgacaca aatgcaataa tgatgatttg gaaattttat 120
 gcagaactag tcatgcatgc acctatgttg acacaaatgt ccaccattat tccatgagg 180
 tattgtgcta cctaaacata tgtatatntt tgtgaggtat ntgtctatat acatgcgtgt 240
 ccaaggtatc ttgtacctc aacatacata tatatgtttt gtgagatatt ntgtctatat 300
 acatgcctat ccaaggtatc ttgtacctg aacatacata tatatanntt gtgaggtatc 360
 ttgtctacat acatgcctat ccaaggtatc ttgtacctc aacatacata tatatanntt 420
 gtgaagtatt ttttngttac ataatgcat atctaanggt atttcaactac ctaaacatac 480
 a 481

<210> 14422

<223> unsure at all n locations
 <400> 14424

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 tatctttttt ctgggatgtc tgattgagc ccgtaataa togagagct cgacattgaa 120
 aataactttt tactgggatg tctatggaa tctgtccta tatggagag ctggaattg 180
 aatgttgaag ctctgagcca attcacacga cacataactt ttactgggat gtctga 366

<210> 14425
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14425

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 taatgttaact tcttcaacta aagcggggat ccctctccac acatatttta tcaatagcaa 120
 cataaaaaat ctctgcaagg gaatgatgaa gattagtgat agtctctcct tctgctcttg 180
 aacgaccccg aactggtatt tcttcacca tatttggtac cagaataact ttaycaacac 240
 aaaatccttg gacatoggca aaaaaattat tccagccact ctctctcatt gtgcccacac 300
 gagctntgac aacatcaact aattccatga cattcacaat attaagatct tttctttgca 360
 atata 365

<210> 14426
 <211> 283
 <212> DNA
 <213> Glycine max

<400> 14426

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 tggataaggc tgaaaagagt aaaaggtctc aattgaactg ttccacctca agtcttggat 120
 tgattgtcaa aagcccagga ctataatata tgcattgctt ggaagcatat gtaatttaac 180
 acaagaacag ttgatadaac ttugttagc ctgggaagca taataaaaa acccttcatt 240

tggyttatca gggaagaaaa tcagttagaa gccttgaga aat

283

<210> 14427
<211> 434
<212> DNA
<213> Glycine max

atagctgca aattttata atagaacccc tcagtaactc attcaacaa cagtaaaia
attatgatct tcaagcaac agatgcaatc caggttggag gaatcatcca aatctgagat 120
ggaataagtc ccccaacaa caacagccctg tcccttcctt ccagaatgct gctggtctaa 180
gcaagccata ccttcctcct ccaatgcaac aacaacaaac gcaacaaaa agacaataag 240
caactaaggg tcatcctcaa ccttccttag aatagttagt gaggcagatg accatccaaa 300
acatgcaatt tcaagcaagag acaagagcct ccaatcagag ttgagcaaat cagatggggc 360
agatggctac tcagtgaac caagctcagt cacaataatc tgacaatttg ccttcacaaa 420
cagtgcagaa tctg 434

<210> 14428
<211> 166
<212> DNA
<213> Glycine max

<400> 14428
ccttagattt gaatcatagt gatgtatggg gtccagcccc aatcttgtct ccatctaatt 60
tcaagtacta cgttcacttt attgatgatt tcatcagatt caattggatt tttcccttga 120
aacaaaaatc agaaacaata acggctttta tccaattcaa aaacat 166

<210> 14429
<211> 439
<212> DNA
<213> Glycine max

<220> unsure at all n locations
<400> 14429

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tcgtttgaat atgctcagag cttctgtttt caatttcagag cttctcgata ttttaaggga 120

ctcaattggg tattggagtt aaaagttatt ggttggttga tttgctacga gcttctatct 180
 tcaatttoga gogtctcgat atacttttagg actcaatcgg acatcgagta aaaagttatt 240
 atggttttgaa ttctcaacga gcttccgtgt tgaattacga gggctctcgat atactatggg 300
 aatcaatcgg aatctcgat taaaatttat tadtgtttga atctctacga aatctcgat 360

<210> 14430
 <211> 323
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14430

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 aaaccccaaa aaagggttgaa taacagtgat aaaaaaaatg acaacaatta gttgatctct 120
 acaaggatca tggccagcgg gagaatgtgt attgattacc tcttctttaa caatgcaaca 180
 aggaaatagc actttctctt tcttctcatg gatcaaatgc ttgagaggtt agccagtcaa 240
 gcttctatct gctatctata tggatactcg ggttataatc aaattcttgt taagttaggg 300
 gatctagaga aanaacactt cac 323

<210> 14431
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14431

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 taaattgatg atgagtttgt ctctctcttc agagaatttt cctcttttga tctcaggcct 120
 caaatagtta gtccatctta gcttgcaact ctctccacac ctgttcaacc ctgcctgttt 180
 tgggaagtgt ctccaactcc catgcccatg ttcttgaata taatccacca atattctatc 240
 ctctcttggg gtccaaggcc ccttctttaa accattttca tcaatgcctg gagttctccc 300
 catcatcact caatgcataa acatgttaga aattaaatac tctagatata ataagaatta 360

gttngattca nggtgcagca tgacaacaaa agagggcaaa agaaatcata ccttnggatt 420
 gagtgtatga agtggagaat gaagatatat atatagactt agaagaatac tctgtggaag 430
 ctgatat 437

<400> 14432

tatatogaga cgtctgaaat tgaatggtga agctctgagc caattcaaac gaccataact 60
 ttttactcgg atggctgatt gaactctctc acacatcgag aggtctgaaa ttgaatggtg 120
 aagctttgag cccattcaaa cgacaataac tttttactcg gacgtctgat tgagtcctgt 180
 tatatctggg gacactcgaa attgaatggt gatgctgtga gccaattcaa accacaataa 240
 ctttttactc ggatgtcttg atgagtccta tcatatatcg agacgctcgg aaatgaatgt 300
 tgaatctctg agccaatcaa aacgacaata actttttact cggatgtctg attgagtcct 360
 gcatatato 369

<210> 14433
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14433

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 ggggacaaaa atgcgttgag tanggtgat taatttcacc ataaccaate ttaaccttga 120
 agccaacacc ttagtaaaaag cttttagga cacattgcac agattgatca gtttcaattg 180
 agacaaaaca ctaacttcac caaccttagg aatgagagtg atcagaagtt tattaagaga 240
 attaatgtca gcagggtgac taaacaaaac ttttataaga ctgcacagaa tagaaccac 300
 caacttcac tgagtcgggt agaacaaaagc cttgaaacca tcctctcttg gagctnfgaa 360
 aactctcgta ttgagataac attcttcacc tccccatcag tgatccact 420

<210> 14434
 <211> 302

<210> DNA
 <211> Glycine max

<400> 14434

gaactgcacg taaattgatg atgagttgct cttcttctctc agagaatttt cctcttttga 60
 gctgctgctg cctctctctg cctctctctg cctctctctg cctctctctg cctctctctg 120
 cctctctctg cctctctctg cctctctctg cctctctctg cctctctctg cctctctctg 180
 cctctctctg cctctctctg cctctctctg cctctctctg cctctctctg cctctctctg 240
 gaggctcttc cactcactact cactgcataa acatgtttag aattaaatac tctagatata 300
 at 302

<210> 14435
 <211> 263
 <212> DNA
 <213> Glycine max

<400> 14435

cctcatcaaa agtaacotta attccatgcc taataagcac ctgctgcgaa aaattctggt 60
 aatataagca gcttcaacgc ttcacgaatg agcagagtta atgtcatcct tgcactcaag 120
 caatggctcc tgcgaggtct cgtgaacaga gagcaaatca agctgcgacc cctgcgcctt 180
 atcgaagaag agcttattcc ccacacgctg aacgacaatg tcccacgaat aaacagacct 240
 gtgagcacac atgagagtgg aga 263

<210> 14436
 <211> 319
 <212> DNA
 <213> Glycine max

<400> 14436

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 tcttctctctt ttctggacaaa atatggcaag ctggggggcaa gtaaatcttc ttcctatcag 120
 acattggatg caactgtgat cgtatgccc tctcaactag atcttgacgg gtattcaagg 180
 catcttctgt cttgctttag atgttaagga gcttcccaat cacaactgtc taaaactttt 240
 tctcgacatg cataacatca atacaatgtc taactgcaag atcagaccaa taaggagat 300
 caaagaaaat ggacctctt 319

<210> 14437
 <211> 179
 <212> DNA
 <213> Glycine max

<214> 14437

gagatcattt gaatttcttc agaatctcc agatcttatt tttttttt
 ttaacttgaa tgggacctca gtgtgaaaag gtatgacctt ttgaatttga cgagagctt 179

<210> 14438
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <403> 14438

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 ggaagaagcg gaaaaggaga tcttgagac ettcangaaa gtagagggtga acatacctct 120
 gctagatgcc atcaagcaaa ttocatgata tgccaagttt ctaaaggagt tgtgcaccca 180
 caaaaggaag ctcataggaa atgaaaggat tagcatgggc aaaaatgtgt cagcattgat 240
 aggtaaatat attcttcaca ttcttgagaa atttaaggac ccaggtactt tctgtatacc 300
 ttgcattatt gggaacaata aatttgagaa tgccatgcta gatctaggag catcagttag 360
 tggcat 366

<210> 14439
 <211> 271
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <403> 14439

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 tattaataatt gtgcatacta atatttgigg accttttgat ggtagtctct tcagaaaagga 120
 aggatacttt atcaactatta ttgatggta ttacatttac ggttatgttt acctactgcc 180
 tgagaattct cagacaatgg atgctcttag aaattactag aatgaagtta aaaggcaatt 240

agacagaaat gtggaaatta ttagatatga t

271

<210> 14440

<211> 359

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 14440

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ggagatcatga agcttcagta gatgccacat tgttcaagaa gctagtggga tgcttgagat 120

tggttacca tagtagacca gaaattcat atggatttgg tcttgtcagc agattcatga 180

gtaattcaaa acagtctcat ttggcagcag caaaaagaat cttgagatat ctaaaaggaa 240

cacttaatta tggcatattg tgtctctatc agaaagaana atgtgagcta taactcttag 300

cttattctga ctgagactgg tgangggata aagtgagag aagatctact tctgggtat 359

<210> 14441

<211> 306

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14441

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ctctgagcca attcaaacga caataacttt nttactcggg tggctggatg agtgcccgaa 120

tatatcgaga cgctcggact tgaatgccga agctctgagc aaattcaaac tacaataact 180

ttttactcag atgtctgatt ggtcccgta gtatatctag acgtcggta ttgaatgtga 240

agctttgtag caattaaacg acaataactt tttactcgga tgtctgattg agtcccgat 300

atateg 306

<210> 14442

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14442

gaaagaatca atgacaatgc ttacaaagtt gag

393

<210> 14445

<211> 433

<212> rna

<213> Glycine max

<214> Glycine max

<215> Glycine max

gtttacaaag agaatacatc tgatatgaca actttggaag ttctcttaca ggctaadctt 60

ttgaagctnt gagattaacc tcaagcttgc aagaccaagt ttcttatgac ataccgagtg 120

atgcttcttt tactgagaat aatcatgaca cctcttgact agaaagatca ccaagtttaa 180

ttttataaag atttcttctg cttctagcaa agaagagtga agagtctgac ttgttttggg 240

tgatagacat atctcttgta aagatgacat tatatccact atcacataat tgaattatgc 300

tcagcagatt gtgcttcaac ccttcaacaa gtagaatgtt attaatgaga ggatagggag 360

aaatacagat cttatctaca ccaattatca gacctttcta gatttgaata ttacctcttc 420

accatcagag ttaacagt 433

<210> 14446

<211> 343

<212> DNA

<213> Glycine max

<400> 14446

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tgcatacact tctagcacta aattgctggg aatttgaagc catcttctca attaaatttc 120

ttgcttcagc aagggctcatg tctccaaagg ctccaccact ggcagaatct atcatacttc 180

tctccatgtt actgagtcct tcataaaaaat attggagaag aagctgctct gaaatctggt 240

gttgagggga actggcacat aattttttaa atctctcaca gtattcatat aggtctcttc 300

cactgagttg tctaatgctt gaaatatcct tctgatgga cgt 343

<210> 14447

<211> 348

<212> DNA

<213> Glycine max

<400> 14447
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 aatttcgttg ttaaatcttg agcgcctcgt tatgtgaatt gtctgaatcg gacatcgtg 120
 tdaaaagtta ttaacatttg tattctcga ggcctttcga tgttcaattt cgaagctctc 180
 ttaacatttg ttaacatttg tattctcga ggcctttcga tgttcaattt cgaagctctc 240
 ttaacatttg ttaacatttg tattctcga ggcctttcga tgttcaattt cgaagctctc 300
 aaaagtttga taattgaatt ctacacagtc cgttggtaat tggagcgt 360

<210> 14448
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14448

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 ttaaatcttt aatggagagg gttaccacta ctggtaaacc cgaatgcaaa tttttatoga 120
 ggcaatagat ctaaatatct gggaagccat tgaatatagg cottatatat ccaccacagt 180
 agaaagagtt tcaatagatg gtagttcctc aagtgaagc ataaccatag aaaaaacctag 240
 agatagatgg tctgaagagg atagaaaacg agtacaatac aacctaaaag ccaaaaaacat 300
 aataacatct ggcctaggaa tggatgaata tttcagagtt tcaaatggca agagtgttaa 360
 ggaaatgtgg gacactcttc gattaacaca tgaaaggact acagatgtaa aagatctang 420
 ataatgcact actcatgagt a 441

<210> 14449
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 14449
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 caactcttgg cttaactcga ctccatgctt cttgtggggg tgatttttga cattctttgt 120
 tggggagcga ttggacaaat aaacggcaca tgcaacatct ttggcccaaa atttctctgg 180
 catattttha accttcaaca taactctagt calatttaaga atagttctat tttttctctc 240

cgcatacccc ttttgtttgt gagatctagg aacogttaga gggcgacgaa ttccatattt 300
 ttcacaaaaat tcattaaaatt cttttgatgt gaattcgcca cctctatcag atcttatago 360
 tgtgattaca taaccactct ccttttcaca agagctttat aattttaaaa actacaaatg 420

<211> 277
 <212> DNA
 <213> Glycine max

<400> 14450

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 caactgtaga agcggaatat attctgtttg gaagctgttg tgcacaaatc ctatggatga 120
 agcaacaact ctctgattac gggtaaatgc ttgatccatc tegtattcgt tgtgacaata 180
 cgagtgcatt caacctatcc aaaaatacta ttttgcactt gatcgaggcc gtaccogaat 240
 caaataaaca ttaaaatgca gtaactagga agtgatc 277

<210> 14451
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14451

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 tgtccatttg tttttgtact ctagctgatn gcaaatgtat ttgcaccgga agtatagcat 120
 cgtgcccata agtcagtcca aatggggtag tattagtcca ttccttanga gaatncttac 180
 atgcccatag aacttgatct aacgttttat tccaattctt tggcttttgg gcaatgtgtt 240
 ttttaatcaa gttgattaca atcttatttg ctgcttcgac ttgaccattt gcttgcccat 300
 aatattgtgt cgaggtraat aatcgaaaac cagttttttg ggcaaatctt ttcatttttc 360
 gtccagtaaa aactgaacct tgatcagt 388

<210> 14452
 <211> 400
 <212> DNA

<213> Glycine max

<400> 14452

tggttgaggag atgatgggtac agcgggtgaa ccagaagcgg aagttttcttt tggtgaggta 60
gcataaataaa aatgaatcgt ttggaat gat ttggtaaatc tcataaaact attgggaat 120
tgggaatcgt ttggaatcgt ttggaatcgt ttggaatcgt ttggaatcgt ttggaatcgt 180
tgggaatcgt ttggaatcgt ttggaatcgt ttggaatcgt ttggaatcgt ttggaatcgt 240
tgggaatcgt ttggaatcgt ttggaatcgt ttggaatcgt ttggaatcgt ttggaatcgt 300
tgggaatcgt ttggaatcgt ttggaatcgt ttggaatcgt ttggaatcgt ttggaatcgt 360
tgggaatcgt ttggaatcgt ttggaatcgt ttggaatcgt ttggaatcgt ttggaatcgt 400

<210> 14453

<211> 271

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14453

aaatgaacaa caacaatcaa agtcaagaat agcanatgaa taaaattcac cacaccaatt 60
aataaaaaaat aaaaacacag taactgcttc aagtgtgcat tntgcatacc acatagattg 120
gttatggcat ttgagatagc caagggtgta ggcaccccat ttccacaacc tgacatatct 180
tctccaagta acaattntgc aaacctctcc ttcatcatct caatctctac aagtgagaat 240
gaaaatcana tctcatcata ctgatatcat c 271

<210> 14454

<211> 330

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14454

ctaactaaca gaaaaatgga gagacccac atcctaatta aaaagagatt attttctaaa 60
aatcagcatc atttgactct atgatacttc ttgcatttag gtcataaaac ctatacgttc 120
tgctatfaat agcataacca atgaacacac attcataggg tctaattgca agtttaaccc 180
tcttaagatc tgggatactt acataggcca aacatcccca agttctcaaa taagaacaaa 240

tttgggtggct tttcttttaat atctcatagg gagatgtctn tctttnttga ttgtggattc 300
tatttagcac ataacaaaca gttaacaaaa 330

<210> 14455

<211> 334

<212> DNA
<213> Glycine max

<400> unsure at all n. locations

<210> 14455

aaatgttga ttgagatgt ttggtttct accattgaac aattcatatg gagttttctt 60
aaagataggt ttgattacag ccttattcat gatataacat gcagtattaa cggcttcagc 120
caaaaaatat ttggaagag ggtatcatt caataagggt ctagcaattt cttccaaaga 180
ctatttttc cttccaaaca ctccattttg ttgaggggtt ctaggtgcag aaaaattatg 240
ttcaatgcaa tttttttcac aaaataaatc anattcttta tntccaaatt caccctaatg 300
atcaactcta atagatataa tcttgagact tttc 334

<210> 14456

<211> 384

<212> DNA

<213> Glycine max

<400> 14456

aataatgggc gatcggaatg tccatttggt ttgtactct agctgattgc aaatgtattt 60
cgaccggaag tatagcatcg tgcccataag tcagtcgaaa tggggtagta ttagttgatt 120
ccttaggaga atatctacat gcccatagaa cttgatctaa cgtttttatt caattttctg 180
gcttttgggc aatgtgtttt ttaatcaagt tgattacaat cttattggct gcttcgactt 240
gaccatttgc ttgcgcataa tatgggtgtcg aggttaataa tcgaaagcca gttttttggg 300
caaahttttt catttttcgt ccagtaaaaa ctgaaccttg atcagtggta atttgttctt 360
ggaaatacca accataaat aata 384

<210> 14457

<211> 270

<212> DNA

<213> Glycine max

<223> unsure at all n. locations

305

<E10>	14461
<E11>	386
<E12>	DNA
<E13>	Glycine max

<210>	14462
<211>	427
<212>	DNA
<213>	Glycine max

tgggattccct	gtcagatata	atactagaag	gaattccatg	caaccttact	acttccttga	60
tgtacaactc	cacgagtttc	tccattctat	acttcatat	cactggggata	aaatgagcgg	120
atntgggtgag	togatctact	atgaccacaa	cagcatcatg	tccacgacta	gtcttgggta	180
aactagatac	aaaatccata	gatatgctct	cccatttcca	ttccgggaatc	tccaatggct	240
tcaattctct	cgatggtcgt	tgggtgctcaa	cccttagcctt	ttgacatgtc	aaacatcttg	300
ctacatattc	aactacatct	ttcttcctatgc	catgccacca	aaaacttctc	ttcaaattctt	360
ggtagatctt	agtcattcct	ggatgg				386

<210>	14462
<211>	427
<212>	DNA
<213>	Glycine max

ottggattag tgggctgaac catagctaan attcactaat cataattagt gaaattttgg 60
 ccccaaaaatt tggctccaca aattcaattt caaactcaag tgaaatttga atagaaatto 120
 aaatttccct ccaattnttg tgtgacaggt angctataaa tagagtccat gtgtgtgcat 180
 ttttggdaac ttgacatc ttgagaattac acctaaaagt ttgagcttca ttggaatcac 240
 ttttggdaac ttgacatc ttgagaattac acctaaaagt ttgagcttca ttggaatcac 300
 ttttggdaac ttgacatc ttgagaattac acctaaaagt ttgagcttca ttggaatcac 360

<210> 14465
 <211> 337
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14465

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 agaaagaagg ttgtcttcga acccgaagat tgggtttggg tgcacatgag aaaagaaagg 120
 tttccggaac aaaggaaatc aaagcttcaa ccaaggggag atggaccatt totagtgett 180
 gaaacaatca atgacaatgc ttacaaagtt gagctgcccg gtgagtataa tgttagttcc 240
 acctccaatg tctctgactt atctcttttt gatgcagatg gagaatccga tttagaggaca 300
 aatccttctc aagagggagg gaatgatgag gacatga 337

<210> 14466
 <211> 464
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14466

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 caccatata tttacatca aagttgctag agagaaactt cttagtctca tgaagaagac 120
 caagactatt aggtgcaagt aagatatgat caacatacag aattagaaaa ataaccttac 180
 tccactgac cttcagatat atataacca atcaacaata ttttctttat attcaaaagga 240
 aacaatgata tcatcaacct caaatacct tggcgagaag cttgctcaag actgtatatt 300
 catttcttta atatgcacac catgtgttct tttcttttaa ccgagaaccc catttggttg 360

tccatataaa cattctctctc taaatccccca ttaagaaaga cagttntcac atccattgga 420
 tgtagctcta agtcataacg gactttctaatt gtcattggata tccct 464

<210> 14467
 <211> 326
 <212> DNA
 <213> Glycine max

 <210> 14467
 <211> 326

ggtcagaggt tcaacattca atttcagagcg tctcgttata ttacaggact caatcagaca 60
 ttccagtaaa acgttatgtt cgtttgaatt ggcttagagc ttcaatattc aatttcagagc 120
 gtttcgatat atgatgggac tcaatcagac atccgtgtaa aaagttattg tcccttgaat 180
 ttggtcagag ctccaacatt caatttcagag cgttcogata tatgacagga ctcaatcaga 240
 ctttcagagta anaagttatt ggctcgtgaa tttgctcaga gcttcaacat tcaatttcga 300
 ggtgttcgat atattaccgg cgtcaa 326

<210> 14468
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 14468

agcttagagc caattcatat tacaataact ttttactcgg atgtctgatt gagtcccgtc 60
 atatatcgag acgctcgaaa ttgaatgttg aagctctgag ccaattcaaa cgacaataat 120
 cttttactcg aatgtctgat tgagtcctgt aatataacga gagctcgaa attgaatgtt 180
 gaagctctga gcccaattcaa acgacaataa ctttttactc ggatgtctga ttgaggcccg 240
 tcatatatcg agacgctcga aattgaatgt tgaagctttg agccaattca aacgacaata 300
 actgtttact cggatgtctg attgagtcgc gtcatatatc gagacgctcg gaattgaatg 360
 ttgactcttt aacgaatcaa acgacactac ttttactcgg gatgtctgat tgagtcctcg 419

<210> 14469
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

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catcacoggg tactaaactct atagaaaact ctatctctct ctoggatggg agaccagata 240
tatcttcagg gatactttca ggaaactctc tcacaacagg gaggtcaca atggaaactc 300
gctctatatt ctagggtaga caagatcatg tagactndag catcttctnt tagaatctc 360
ataaacatc 488

<210> 14472
<211> 385
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14472

agccttangg tttatgggtt agggctctaag tcttatgggt tatgggttag tgtctaagcc 60
ttaggggtta nggtctatgc cttagggttt atgttttagg gctatgggtt taggggtttg 120
gggtttgggt ttagtgctca agccttangg tttagggttt atggtttaag gtgtagtgtc 180
taagtcttaa gtcttagggc tgagggttta tggtttagtg tctcagccat aggggttagg 240
tcttagggct tagtgcttag ggtttagggt ttaagcctaa ggggttaggg tttagtgtct 300
aagccttang gtttggggga ttaggggtta agccttaagg tttatgattg aaataaaatt 360
actccatact catatgcctc taatg 385

<210> 14473
<211> 456
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14473

agctttctat aatcaagct cattctccat cactgggcta ttctggtagg aattagtcca 60
tttcgatcat ttctattac tgcctccct cctttttttg gaacaacttg aacaggacta 120
acccatgagt tgtctgaaat tagatagata aggcctgcct ctaataactt gagcactctt 180
tttcttaact cctccttcat tataggatc aatctctctt ggggttggtt cacaggctta 240

taattggcctt ccaaatgat tttgtgcata caatatgatg gactgattcc ttttagatca 300
 gaaatgtgcc aaccaatagc cgctctacgt cgatttagaa totgcaccag ttgatctctt 360
 tcttctctctt tbaaagagtt gctaattata acaggtttga tctcatcttc tccaagaat 420
 acatcttata natgtgcggc aacgctcttc aattct 486

<112> DNA
 <113> Glycine max

<223> unsure at all n locations
 <400> 14474

apactactag aanatgaggt tnttacctcg gttatttaag actttcaaca tagattatta 60
 atcgatgtta aaagtaacca tgttgaaagt attatcggtt acattgggtt tccaaaactg 120
 atgttaacga ataaatacaa catcgattat ttaaatagcc gatgttatat gataagaatt 180
 atcataaaaa gaaagttata aatctatata tcaacatcgg ttttttaaaa aaatcgatgt 240
 taactctcac agttaacatc agttnnttaa aaaatcgatg ttaactggca ctaacaacat 300
 ctgttttcta tta 313

<110> 14475
 <111> 362
 <112> DNA
 <113> Glycine max

<223> unsure at all n locations
 <400> 14475

tgaaatttaa aatatgggtat ttactctctg gtaatcgatt accagaggat gtaatcgatt 60
 atcagtggcc aaaacgctnt ctgaaatgtt nttaaatatt tttgaaagca tghtaatgat 120
 tacacaattc ttttaattca ttaccagcag ttgaaactgt ttataacagc tattaaaaat 180
 ttgaattcaa attttaaaagc ctgtaatcga ttacacaatg ctgttaatcg attactagga 240
 ggaattttcg aaaataactc tcaagagtcg catctgttca agagtttttt taatagctnt 300
 canaagccta taaatgggtg acttgggaca cgaatttctt tagagtnntt ctacacaaag 360
 ag 382

<210> 14476

<211> 361
 <212> DNA
 <213> Glycine max

 <400> 14476

 ctgauttgta attaccccat gcactccctt aatgattata acatcatttc tggcgctaaa 60
 gctgctctga gctgctctga gctgctctga gctgctctga gctgctctga gctgctctga
 gctgctctga gctgctctga gctgctctga gctgctctga gctgctctga gctgctctga
 ataaaaatat tggagaagaa gctgctctga aatctgatgg tgagggcaac tagcacatag 240
 ttttttaaat ctctccagtc attcatacag gctctctcca ctgagttttc taatacctaa 300
 gttatccttc ctgatggctg tggctcttga agcagggaaa atgttttcta agaatactct 360
 c 361

<210> 14477
 <211> 458
 <212> DNA
 <213> Glycine max

 <400> 14477

 agctttctac aaattcaatg gtatgacttt tacacaattg tccgattcgg ggacataact 60
 catctagaacg ctcgaaattg aacaacgcaa gctctcgaga aattcgaatg gtcataactt 120
 ttcacacgga tgtccgattc ggggacaaaa ctgatctaga cgtccgaaag tgaacaacgg 180
 aagctctcga gaaatttgaa tggtcataat atttcaactg gatgtccgat tccaggacat 240
 aatatactga gatggctaaa attgaacaac ggaaactgtc gacatattcg aatggctata 300
 acatttcaca cagatgtccg attcggggac ataactcacc tagatgtctg aaattgaaca 360
 accgaagctc tcgagaaatt cgaatggaca taactcttca caccgatgtc catttcaggg 420
 acataataat atatctagaa ctccgatatt gaacagcg 458

<210> 14478
 <211> 344
 <212> DNA
 <213> Glycine max

 <400> 14478

 tgacaatgct taactaaggcg agctgcccgg tgagtataat gatagttcca ctttcaatgt 60

ctctgattta tcttattttg atgcagatgg agaattctgat ttgaggacaa atccttctca 120
agagggagag aatgatgatg acatgaccaa gatcgagggg aaggatccac ttgcaggact 180
tgaggggtct atgacacggg ctagagcagg gaaagccaag gaagctcttc atcaagtgtt 240
gtccatacta ttttaataca caccacaagt tcaacacaaa aacttcaaaag ttatagttt 300
tgcctgggtc tcttctctct cctgctctct cctgctctct cctgctctct 360

<211> 14479
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14479

ctgagtttga gttaccttat gcactcctct aatgaactata gcatcatttc tggcactaaa 60
ctgctggggag ttggaagaca tcttcttaat taaatttttg gcttcagcag gactcatgtc 120
tccaagggct ccaccactgg cagcatctat catacttctc tccatattac tgagtccttc 180
ataanaatat ttgagaagca gctgctctga aatctgatgg ttgaggcaac tggcacatag 240
tttttttaaat cctctctagt attcatacaa gctctctcca ttgagttgtc taataactga 300
gatatccttt ctgatggatg tggctctgga agcaaggaaa atgttttcta agaatactct 360
cttcaggtca tcttagctcg tgatggaccg ttgagcaagg taataca 407

<210> 14480
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14480

agctntcttg aganaacgtt cttgagaagg tagagcttag ctacatacac cctcttaata 60
actaagctca cctcttgag aagattccta aagaagctag agcttagcta cacacatctc 120
tctaatagtt aagctcactt gcttgagatg agaagctaga gcttagctac acaccctcta 180
taatagctaa gctcaccctc agttccaaaa tacatgatag tacaacaaaa gtccctacta 240
caaagactat tgaagatgcy ctataatada aggtctaaaac cctataactac tagtgggagt 300
gcttagctct actgagcttt agaagattgg gctaaagatt cgttaagacat aagcaactaa 360

acaatgaagg aaagctggag ttgctgcaca tgatgtccaa cgttatgtca aggaataaga 420
 tgggctgca caatgcacaa tgcaagat 448

<210> 14481
 <211> 319

<212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14481

caactggggc atgcaagctt catgaacaac ttgtgataac tctctctctt ccaactata 40
 gttcaaaaaa tgaattctct tggttttaca agtttgagaa ttttgtctca gcttcaatgg 120
 gatttgaaaaa tggaggga aa tttgaatttc tatcaaat tcaattggat ttgaaattga 180
 atttggggag ccaattttg gagccaaaat ntcaaatat gattagtga ttttagttat 240
 gtttcagccc actaatccaa gatcaagtc aagaatctcc actaagtgtg cttaggtgtc 300
 atgaagcatg taaagcatg 319

<210> 14482
 <211> 314
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14482

acctgctgtt cgacgggcat cgttcacggc tagccaagca gcttcaaaat ctgtacaagt 60
 tccaaagggc tatcttgacg tgtatgttgn ggaagaaaca aaagcgggtg tggttccgt 120
 atcatacttg aatcagcctt catccaaga tctcttgtat caagctgagg aagagtttg 180
 atatgacat cctcgggtg gcttcacaat tcttgacgt gaagatgttn tccaacatat 240
 aacttctcac tgaattgag accacacatc tcactgtggg agactcacat agattagtag 300
 acatntaca chat 314

<210> 14483
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14483

aatacacttn caaggcattc aacacttact atgagcaaca tggaaataatt catgaggtaa 60
cgtcacotta tacatcacia cacaatggct tggcagaacg aagaaataga actatccttg 120
acatggcaaa gagcatgctt aagcagaaga agctacotca ttcattcttg agagaagcta 180
tgcatacctt ccttctctct ccttctctct ccttctctct ccttctctct ccttctctct 240
tgcatacctt ccttctctct ccttctctct ccttctctct ccttctctct ccttctctct 300
tgcatacctt ccttctctct ccttctctct ccttctctct ccttctctct ccttctctct 360
tgatactgat aggtatcat ggtactggtg cctatagact c 431

<210> 14484
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<230> 14484

gcttgtaggt taaagtctca cgattgtcat gtgtcctatgc aacaattggt agcgttget 60
atacgagaca tcttgccaaa caaagtcagg ttagccataa ctctgtatgtg cttttctctc 120
catgctatat gtagcaaagt cattgatcct gtcctgtttg atgagctgga aaatgaggcc 180
gcaattatac tctgtcagtt ggagatgcat tttccccctg cttctcttga catcatgatt 240
cacttgattg tgcctctggt cagagaaatc aaatgttgtg gtctgttcta tctacngtgg 300
atgtacccgg ttgagcgata catgaagatc taaaagggt atacaaagaa tctatatcgt 360
ccagaagaat ctattgttga gaggtacatc gcagaagaag ccattgaatc ttgttcataa 420
tacttgaga aggtctaaact tgttgccctt cctgagctctc gacatgatga cag 473

<210> 14485
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<230> 14485

tatttcagaa gggaattcta tcaatagacc tccatctctt aatggagagg ggtaccacta 60
ctggacaacc cgaatgcata attttatcga ggcaatagat ctaaaatctt gggaagccat 120
tgaaatangg ccttatatac ccaccacagt agaaagaggt tcaatatatg gtatgcacac 180

aagtgaagc ataaccatag aaaaacctag agatagatgg totaaagagg atagaaaaag 240
 agtacaatac aacctaaaag cccaaaacat aataacatct gccctangaa tggatgaata 300
 tttcatagtt tcaaattgca agagtgcctat ggaaatgttg gacactcttc gattaacaca 360

14

<211> 471
 <212> DNA
 <213> Glycine max

<400> 14436

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 tcttactggg ttagcctcat cttctaaaatt tcttcgatgc ataatgttg atgggctaata 120
 aacaggaata tctgccaggg tccagcctat agctttctta tcttcttga gaacaaataa 180
 caactctccc tcttgcctat cagcaaggga ggcggatata attactggaa aacttttggc 240
 atcatccaag taagcatatt ttaaattaga tggtagaggg tccaattctg gtgtgggggg 300
 ctggatagtg gtagaaagag atggtttctc agcctacacc tcataaagaa agtcgaggta 360
 tgtgtactta ctgaaacatg gttagtctga tctgactcta taaaatcaat ctctagaggt 420
 aagacatcac cagacatgta atcaatatct aattcatatt cactctcaac a 471

<210> 14437
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14437

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 cctacgagtc aaaagacatc tttacttga agaatgaata tagttaaggt aaaaatgaac 120
 tcatttcaac tgaagcaagg aagtccttcc atctattaga aggtgagttt cagctgcttc 180
 tctctccgca tatatttata gaaagaaaat gaagtataaa aattcaggca gaattcagca 240
 tctataacct ttgcgcgtgt tccgcctatg attacttacc actgaaacat atatgccttg 300
 tcaaaaatgt caagcataac attcagaga ataaagtga gtcagtaac aacaaccatt 360

gattttaatgt gaaagcagcg gaaaaatgac acgttgctnt ggcatatggc ttcgaggcac 420
 ttaactgott tccctatttc ccatageccc tctc 454

<110> 14438
 <111> 343

<112> DNA
 <113> Glycine max

actttgcttc aaggtggatg caattgagcg agaagttgac cttgggaagta cttgtcaatg 40
 cgaactgacc atgtcttcag tctttgtttt agtcataaaa aagccttctt tagcttgaga 120
 attttgtctt cttctaattt cacccttaat cccaaagggtt gttcgatgta caattcttcc 160
 atgaggactc ctttcacgaa ggtagacttc acgttcattt gatgaattct ccaactagtgt 240
 ttgagttgcaa gagagattat tagtacgatg gtctccaggc gagcgaccag agcaaacacc 300
 ttaacataat ttgataattgt gaaatttgag ttaatttgat agt 343

<110> 14439
 <111> 272
 <112> DNA
 <113> Glycine max

<400> 14439
 catgaatggc acaattctta gcaccttoga cagagttcat tgaataacca catggctcaa 60
 agtcaaagtc acaaatctca gaatctggaa gaattattct aatgccagaa ttaacagtca 120
 taatggcagc tgaagctgat tgttctttgt agaaaacctg tgctatctct ctatcaggcc 180
 agtcattgac atctctagag tgtaaacatt gtccgatgga gttacagaat ctgcagatgc 240
 agagtagaca tggcagttct gtgatttctc tt 272

<110> 14490
 <111> 492
 <112> DNA
 <113> Glycine max

<223> unsure at all n locations
 <400> 14490

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 gatdaagaa ttaactgca cttttacaag aaatttggac acatgaaaaa agagtgctca 120

aggtacgttg catggcgtgt aaagaaaggt aaatctcttg ctcttggttg ttttgaagtt 180
 aatttagcag tctttcccat ttatttgcac atctaataat ttgtttaatt aaattgattg 240
 acacaatata ttgtaaagta atccttattg ttaaaattga ttgattaaa attacataga 300
 ttttattata ta 492

<210> 14491
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14491

acaatggaag ttgtctagan attcanatgg ttctatcttc tcaaacggat gttcgatttg 60
 gacacataat atatcgagac gctagaaatt gaacgattga acctctcgag aaattcaatt 120
 ggtcataacg ttccacaagg atgtccgatt cgggcgcatt atatatcgtg acgctcgaaa 180
 ttgaacaacg gaacctcttg agatatttaa atggtcataa ctattcacac gaatgtccga 240
 ttccagggact taatatatcg agacgttoga aaattaagaa cggaacctct cgtgaaattc 300
 atatgggaat aaattttcac atggat 326

<210> 14492
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14492

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 ataaattgat tacaataaaa taaatgagat aggggaagag agaaatgcaa actcgattta 120
 taactggttcg ggcattttcc gtgcctgcyt caagtcctca agcaaccacac ttgagatttt 180
 cactaacttt glaaaatctt atttacaact ttgaaacac cgaggaatcc ctttcccttg 240
 ttttcaggaa acttcacaat tcaagagaca accaatctct tgattacaa tgactttctg 300

agatgaacag aatgattttct ctcttttaga gtggatgata caaattgaag ttcttagatg 360
 aactctcaat agatntgtaa gtgttttgccg aagatntttt aagagagcat ttggcaatga 420
 atntctctta gaatatctct ctcttagaatt ttgaagtcag acacacata 469

<10> Glycine max

<400> 14493

tatgcacgca gatttggaga tgagtatgat tagagaatta tagttcttct ttggacttca 60
 aatcaajcaa acagatgaag gcatacatat acgtcaaaac aagtatgtga aggaacttct 120
 gaagaagttc aagatggagc atgcaaaagc aatgaagacc ctatgcacac aaccattata 180
 gtgggactgg atgaagaatc aaagcaggtg gacaaagaga catabagagg aatgatagaa 240
 tctcttttgt agctcactat gtccagaccc gacattatgt tcagtgtatg cctcttccaa 300
 aaggaaccaa gggaagttca tatatctatt gttaaatgca tatitagata tttagtggga 360
 actcctaacc ttggtttgtg gtccaagaga gaaaaggaat acatgttgct tgattattgg 420
 gatagogaat ttgtccgaga tagagtggaa agaaagagca cacatga 467

<110> 14494

<111> 376

<112> DNA

<113> Glycine max

<123> unsure at all n locations

<400> 14494

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 atgcaataaa tgaaactcca attcagattg gagaatagca taaaaaatad tcaattaatt 120
 aatttggtcc aggttttgtt ctcttaactt agggtaacaa ttattgcata gggtttatgt 180
 tgaaatggaa attgtttgtt gacgacatgt tgcctgtntg gttgggtggat caatcacgag 240
 gctaagggaac aagaagagaa gagggccact actcagttga tgtttgattt gggttataag 300
 gcttatggga agggcttcta tggacatgac attgaatata ttgaagttgc actcaactac 360
 ataccagggc ctacat 376

<210>	14495
<211>	263
<212>	DNA
<213>	Glycine max

[illegible]

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<323>      unsure at all n locations
<400>      14496
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4210>	14497
4211>	367
4212>	DNA
4213>	Glycine max

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 catcttccaa cgaqcacagt aacaccttat gaggacaacc acaggaatca tgaatatcaa 120

caaaatttctg catatgatga tcaaggacca caatgtgctt ccccttctctg tgcgtaagtc 180
 tgacaggggac ctgaagtggc tgaatttcat caacaaaaan gctggaacaa tacaaattgg 240
 actccacagg accatctaat gtcccagtaa aatatattag acctgtatcc tcattccacc 300
 ccccaatata cccaacata cattcacctt cactgatggg tcccaacaa gtcgcatttg 360

<210> 14498
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14498

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 ctccagctgc tccgttggct aatttcaagg gtctcgatat tctatgtcct caaatccagac 120
 atccgagaga aatgttatga ccattcgaat ttgtcgagag cttccgcttt tcaatttcga 180
 cgcctctagat gagttatgtc accgaatcag acatctgagt gaaatgttat gaccattcga 240
 atttgtcgag agcttccgct gtccaatttc gagcgtctag atgagttatg tcaccgaatc 300
 ggacatccgt gtgaaaagtt atgaccatcc gctcttctcg agagcttccg ttgttcaatt 360
 tggagcgtct cgtatatatta tgtccc 386

<210> 14499
 <211> 235
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14499

gctgttacc cctgggttgaa ttgcttacta tagagctngt catagcacca cttaaattgtc 60
 tccctttgaa agttgttatg ggtttaaccc actaacctct ctgtatcttt tgcctatgct 120
 taatctttct gtttttaagg ataaaagaag gtcaaaagcaa agggcggacta tgtgaaaaag 180
 cttcatgaga gagtcaaaaga tcaaatcgag aggaaaaata aaagctatgc taaac 235

<210> 14500
 <211> 413
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14500

tattctctntr ggtgcacaga atgctgtana aaaaatagta tgtgtcatga atctctgaca 60

ggtgtcatga atctctgaca atctctgaca atctctgaca atctctgaca atctctgaca 120

atctctgaca atctctgaca atctctgaca atctctgaca atctctgaca atctctgaca 180

atctctgaca atctctgaca atctctgaca atctctgaca atctctgaca atctctgaca 240

atctctgaca atctctgaca atctctgaca atctctgaca atctctgaca atctctgaca 300

atctctgaca atctctgaca atctctgaca atctctgaca atctctgaca atctctgaca 360

atctctgaca atctctgaca atctctgaca atctctgaca atctctgaca atctctgaca 413

<210> 14501

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14501

tattctataa cgcacgacat ctctatgtgg tgtgtcagtt ttcactacta taaaaagagg 60

gctntacato ggcatttttaa gactttcaac atagattatt aacccgatgtt aaaagtacca 120

atgttgaaaag tattatcggt aacattgggt ttccaaaact gatgttaacg aataaatata 180

acatcgatta tttaaatagc cgatgttata tgataagaat tatcaaaaaa gaaagctata 240

aatttatata tcaacatcgg ttcttttaaaa aaatcgatgt taacctccac agttaacato 300

agtttttttaa aaaatcgatg ttaactggca ctaacaacat ttgttttcta ttataaagta 360

aaagaatgga gttttttgaa ttgagggggg ggg 393

<210> 14502

<211> 311

<212> DNA

<213> Glycine max

<400> 14502

actcagcttc tggcattac gagcgcctta ttattatgtg cctgtttcag acatccgagt 60

gaaaagttat gagcatttca attctcgaag cactaccatt ttttaatttc gagcgtctcg 120

atataatcatg ggcttcaatc gaacacccat gtcaaaagtt atggccgttt gaataggact 180
 aaagattccg tgttcaatta cgagcgtctc gatatacat gggactcaat cggacatcca 240
 tgttaaaaga tatggcgttc tgaattggac tagaacttcc gagttcaaat ttgagcaggt 300
 cgatatatta + 311

<212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14503

atgagaatat ggttgcagcc attgggtcaag atgagccaca ttgcccatt ccttgccttc 60
 atgacatcag agttccactc ttgaggaagg aagttgaata tactgaaaat ttgataaaaag 120
 ggcacaggga gcaatgggtc aagtatgggt ataataattat gtccgatgca tggactgato 180
 ggaacaaaag atgcacatt aattttttga ttaaatctca agttggtaac atgtttttga 240
 agtctgttga ttgctctgat tttgtaagga cgggttaaaa tatttttgag ttgcttgatg 300
 ccaactgttga ggaagtttga gaagagaatg ttattcaagt tgtaaccgat aatgggagca 360
 actatgtttt agcgggttaag ttgttggagg agaaaaggaa acatatttat tggactcctc 420
 gtgcagctca ttgtatttga ttgatgttg aagatatttg gaagcttccc ttgat 475

<210> 14504
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14504

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 taggaaagtg ataggaaggg aagacatcca gatactatcc agaggatgta aataacatgc 120
 tgaagtttct agcaagttaa tctaaaagat taatgtacaa gtctaaattg ttagtcgttt 180
 tatccatcaa gtaagattnt agtatggta agagaaatat caaatccaca ttatgaaaa 240
 agataataat taattttcaa ttcttaagta cttgtacat ctcacaatga cataaatcct 300
 ataaacttact acgtatattc atatttttgt gggacaacaa aagaaaaat ataatagta 360

attttctgag gccaccana agttaaaa

388

<210> 14505
<211> 424
<212> DNA
<213> Glycine max

tactagctt gaggatgatt aaatgaaat acattacac ggatgtctg ttgattctg 60
aaattatcg ajaggtccca aattgaaaac ggaaactcct agataattca aacgacaata 120
atttttact cggatgcctg acagagtgtg gtaatttacc gagggatgct ccaaattgaa 180
aacggaagct cgtatcanat tcaaacgaca ataactttct actaggatgt ctgattgagt 240
ctcgtaatat atcgagacgc tcaaaattgt gatccgaagt ctgagaaaa ttgaattgac 300
aataacttta tgcacggatg tcaagttgag tccctgtaata tatcgagaag ctgcaaatg 360
aaaacggaag ctcgtaggaa attcacacga caataactct ctactcggat gtcctgattga 420
atcg 424

<210> 14506
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14506

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atatatcgag acgcttaana ttggaaaacgg aagctcgtag acaattcaaa cgacaantaa 120
catttactcg aatgtcttac agagtcacgt aatatattga gatgtccaa atnganaacg 180
gaagctcgta ccaaattcaa acgacaataa ctttttactc ggatgtctga ttgagtcoca 240
taatatatag agatgtccca aatggaaaac agatgtcgtg gtcaaattaa tagacaataa 300
cttttactc gaatgtataa ttgagtcctg taatatatcc aggaact 347

<210> 14507
<211> 415
<212> DNA
<213> Glycine max

<400> 14507

ggggggcggtt gcaatcgcat ggtgatgtca tggtcactc ttcccatgag tctgtctatc 60
aagcaattgg tgatgtggat ggattcagct ttgaaatct ggaagatct caaagatcaa 120
tcttgcatc cagataagtt tcaattgtt gatctcaag atcaaatcca aaattctaat 180
tcttgcatc cagataagtt tcaattgtt gatctcaag atcaaatcca aaattctaat 240
tcttgcatc cagataagtt tcaattgtt gatctcaag atcaaatcca aaattctaat 300
tcttgcatc cagataagtt tcaattgtt gatctcaag atcaaatcca aaattctaat 360
atgttatatgc acctgtcaga tctcaagtc tgcttatgga acctatgctt tcttt 415

<210> 14508

<211> 479

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14508

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ctttcttggg caaacattct acatgattat tcagtgtttt ttccaaagga gactgttagta 120
ccatggcaag ctgctaattc tatctcccggt tctaccttct tcacatcaaa ataggccttc 180
tgatcacttg agtgccttcat tgcctcaaat aagttgaatg aaattttctg atctccaca 240
ctcagttcta acctaccttt ccccatatct attacacaac tggcggttga catgaaagga 300
cgttccaaaa ttatggggat ttcaatatcc ctctctatat ccataaccac aaaatctgta 360
gggaaagtaa tatgtttaac tctgacaaaa acatcttcta tcaactcata cggctctgatg 420
atggagcgat cagctaactg cagagtcatt ctggttggca ttatctctag ctctcccat 479

<210> 14509

<211> 384

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14509

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cgcaagggtt ttgggttctg gctctctctg tgaccaccat acagacctt gcccttccat 120

gcagcaaacct ggagcaattg agcagcctga agcttatgct gcaaatatctt acaatagacc 180
 tootcaaacct cagcagcaaaa atcaacacag cagagcaatt atgacctttc cagcaacaga 240
 tacaacccctg gatggaggaa tcaccccaac ctacagatggt ccagccctca gcaacaacaa 300
 caacagcctg ctccctccctt caaaatgctt ctggcccaag cagacccatag attccctaac 360

<210> 14510
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14510

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 tctactcagc cgggtattagg cctcatgagc ttctccatat ccagcttact ggatttagtt 120
 tgggtgaact cctctttaga taactagggtg ttcccttttt atcatcgaga ttaaattgtat 180
 gtcattatgc tcccttgctt tccaagatta ctggcctgat ttatggatgg agcaagaagt 240
 ctttatctta tgcaggtaag ttagagttga ttagagcagc tattcaagga attgtgaatt 300
 tctggatgga gatttttctt ttgcgcgaat ctgttctgga ccgaatcaac gct 353

<210> 14511
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14511

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 agacctccaa tctttaatgg agagggttac cactactgga aaaccogaat gcataatttt 120
 atcagggcga tagatctaaa tatctgggaa gccatagaaa tatggtctta tatacccacc 180
 atagtagaaa gagtttcaat agatggtagt tcaccaagtg aaagcataac catagaaaaa 240
 cctaaagata gatggctctg agaggataga aaacgagtac aatacaactt anaagccaaa 300
 aacataatag catctgcctt aggaatggat gaatatttca gggtttcaaa ttgttaagagt 360
 gctaaaggaaa tctggggacac tctttaatta acacatg 397

<210> 14512
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

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 gtagtgtaag ataataaaaa tggacatata nttttacata tattttagag taaaatatgt 180
 tttagtctct taaaaaata tacaaatttg attgtagtca ttaaaaaact ttattnttgt 240
 ccccttaata tagaaataat aatgtcacaa aatatactat caagatcnga aatagagtat 300
 ttccaattta gaggagcaaa aacaagacaa aagaattnta gatgactcta anataatta 360
 agtttacgta catttaaaat aatataaaat gtattttact ctaaaattcta atatcat 417

<210> 14513
 <211> 331
 <212> DNA
 <213> Glycine max
 <400> 14513

tcaacataac tggcatgtgc tttttcttcc atgctatatg taacaaagtg attgatccac 60
 gaatgggttg tgaattggaa aatgaagccg caattatact gtgccagttg gagatgtaat 120
 tccccctgc tttctttgac atcatgattc acttgattgt gcattctggc aaagaaatca 180
 aatgtttgtg tctgttttat ctacgggtgga tgtaccgggt tgagcgatac atgaagatct 240
 taaaaggyta tacaaagaat ctatctgctc cggaagcacc tatttgtgag aggtacattg 300
 cagaagaagc cattgaattt tgtcagaata c 331

<210> 14514
 <211> 300
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14514

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ccacaatttt tcaacccaag aatacctcaa caaaatggty ttgtggagag gaaaaataga 120
 tcccttgaag aaggtgcaag aacctttcta aatgaaacaa gtctaccta gtacttttgg 180
 acaaatgttg tacatactat gtgttacacc ttgaacagag taattattat gacctatttg 240
 aacaaaaatc cttatgaact gtatatagga aaaaaattgg aatcacctg agatatttg 300

<212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14515

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 ctacaaacat ttataataga ccccttcagt agcanaacca acaacagcag aataattatg 120
 ttctttcaag caacagatat aatctatgtt ggaagaatca tccaaatctg agatgggcaa 180
 gtccctcaca ataacaacag cctatccctc ctttcagaa tgttgttggt ccaagcaagc 240
 catatgtttc ttctccaatg cagcagca 268

<210> 14516
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14516

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 attattatga tctttcaagc aacagatacc atccaaggta gaggaatcaa tccaatctga 120
 gatggacaag tctttcacia caacagcagc ttgtccctcc attctgaatg ttgttggccc 180
 agcaagccat atgttccttc cccaatgcag caacagtaca acaacaaagg caacaagcaa 240
 ctganggato cctctcacct tctttagaag agttagttag gaaaatgacc atccagaata 300
 ttcaattnta gcaagagaca agagccttca ttccagagtct gacaaatcag atggg 355

<210> 14517
 <211> 323
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14517

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agcttgccctt gctctttgat atatngagg tattcatggt cactattaat gacaaattcc 60
tggggataaa ggtagtggg ctcctgtttc aaagcccgta ctaaggcata caactcctta 120
tgggtatcttga aactttggga tggtaagtat gggcattagt tagcttttgc taaaaacatg 180
aaapattctt cttgtctctt ccc 313

```

<210> 14513
 <211> 276
 <212> DNA
 <213> Glycine max

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ccttttttga aagcccatga attggcgat cgttcctgtg tccctcaact tcgaggttgg 60
agctatgggt agtgattgct tagagaaatt cttcattctc aacccctttt tcggacccca 120
tgaattgtgt ttctgttcat gtgcctcca ccttcagatt gtgagctatg cgtagagatt 180
gcttagagaa attctccatt ctcaaccttt ttccggagcca catgaattgc gttgtcgttc 240
attgtgcctc caacttcgaa ttggaagcta tgcgta 276

```

<210> 14519
 <211> 360
 <212> DNA
 <213> Glycine max

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ctgcagctat gacgctatcc agctcttgaa ccaggagga gaatgatcta tatataggct 60
tctaaggggt agagagagga agactagaga ttgggatcaa gttaaagtgtg ttaaggatga 120
agaaggcaaa gtcttagtgc atgaaaaaga tatcaaggaa aggtggaaag cgtatttcca 180
caacttatat aatgatggat atggatatga ctctagcagt ctagacacaa gagaagagga 240
cgggaactat aagtaactat gtccgattca gaaacaggaa gttaaaggag cgttgaatag 300
aatgagtaac ggtaagggcg gtagggccag acaacatacc tattgaagtg tggaaaactc 360

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<210> 14520
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14520

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 aactgacccc ctactgaaaa gttatgacca tttgaatggc tcaagagcct cttatgctca 180
 atttggagcgc ttctgatata ttatgcgcct gagactgacc tccaagtgaagggtatgac 240
 catctgaatt gctcaagagc ttccattggt caatttggag cgtctcgata tattatgcgc 300
 ctgaaaccca cctccatgtg aaaagt 326

<210> 14521
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14521

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 ccccaggaaa ccgcacata ggctctctca aaatccactt tgaacaacat acaaggtttt 120
 tgcctccctt ttgcttctt caccacctca tttgcaacaa taacactgtg tagcagctgt 180
 ctgccttcta tgaaggcaga ttgtctctcg tcaatgatgt ttggcaaaat tttcttcaac 240
 ctgcttgata agagctcggc cacaatcttg tatatgcac caataagcga gataggctctg 300
 aactcattta gtgtttgggg atcggaacc tcatgaatta aggtgatgaa tgatgcgttg 360
 ctctcttag ggaataccc acttgcgttg aattcatgga ggaagcgaat gatttgtcat 420
 acattgac 429

<210> 14522
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14522

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 taatgggttc tgtttntaan gcataaaaga aagtcaagca aaggcggact atgtgaagaa 120
 gtttcattgag agagtccacag atcaaatgga gaggaaaaat aaaagctatg ctaaaacaagc 180
 caacaaagaa agaaaagaa tttcttcta acccgagat tttctttggg ttgacatgaa 240
 tttctttttt tttctttttt tttctttttt tttctttttt tttctttttt tttctttttt
 tttctttttt tttctttttt tttctttttt tttctttttt tttctttttt tttctttttt

<210> 14523
 <211> 339
 <212> DNA
 <213> Glycine max
 <23> unsure at all n locations
 <400> 14523

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 acctatctca agaatlaata actcgccctaa tgcactaaaa atatctggaa tctgtccact 120
 aaaatggntt ccagcaagaa caagcctctt caacttggtc aagttaccaa tatctgggtg 180
 aattttacct gttaaacct tttctaatag tactagtga c tgaaggttct tgagggcacc 240
 aaaacttgaa ggaatttttt caatgagacc tctgtttgat ctaaaactcaa gtgattctaa 300
 cctgcacaga agcttttttc agtttgcatt gnggatggta acctgatgcc tctgtttgtg 360
 ttccacgcat tngaattagg atagagctt 389

<210> 14524
 <211> 363
 <212> DNA
 <213> Glycine max
 <400> 14524

gctctctcaa ctgcacaagg ttcttaatat tccaagagta tctttgggga accttcaccc 60
 gacgaagaca ctgacaaaaa cttatcttta cttcttttga caaagcatgg caggctgggg 120
 gcaagctaaa tttctttcca tccagacctg gatgcaactg tgatcgtata cccatctcaa 180
 ctgatcttg accgggtatt aagccatgct tctgtttgct tgaattggtt aagagtgctc 240
 caatcacact gtcgcaaaac ttttttcca catgcataac atcaatacaa tgtctaacgt 300
 caagatcaca ccactaccaa aaatcaaga aaatggatct cttcttttat atcaactct 360

gaattttta

368

<210> 14525
<211> 432
<212> DNA
<213> Glycine max
<400> 14525

aaatagaagg tgtgtatccc accatcttct catagtagaa taatggtaaa ggtgtactta 60
tcattggccc tcattttttt ccgtcattga ggggtgcaact tgggttggca ggtctctcca 120
cccttggggcg tattctttga aagatccgtg cccctttttg caaatgttct gtatgtgcac 180
ccatctcgga accatattca aattgtactg atactgccta acgaaggcaa ccattatgtc 240
cttccaagaa tnggaactgg aaggctccaa gttagcgtac caggtaacag ctaccagta 300
agaatttctt ggaagaaatg tatcagcagt tctcatctt ttgcattatgc ccccatcttc 360
caacaatata tctttagatg gttcttgggg caagtatgac ccttgtactt gtcnagtcc 420
ggcaccttga ac 432

<210> 14526
<211> 403
<212> DNA
<213> Glycine max
<400> 14526

agctttgagc caattcagac aacaataact ttttactcgg atggcttaac gaagcccgga 60
atatatcgag acgctcgaaa atgaatgttg aacctctgac caacttaaac gaacataact 120
tttactccga tgtctgattg aggcccgta tatatcgaga cgcctcgaaat tgaatgttga 180
aacctcttagc caattcaaac cacaataact ttatctcgg atgtctgact gagtcccgta 240
atatatcgag acgctcgaaag tgaatgttta agcttttagcc atttcaacga tataactttt 300
actcggatgt cggattgagt ccggaatata acagacctca aattgatgtt gagctctgac 360
taataaaacg acatactttt actcgatgct gattggcccg aat 403

<210> 14527
<211> 419
<212> DNA

<213> Glycine max

<400> 14527

ataatagata agcacacete cttgagatga gaagctagag cttatctaca caacccctat 60
ataatctaat ctcacccaca tgacaaaaaa catdaaaata acagagaaaa gtccctatta 120
ataatctaat ctcacccaca tgacaaaaaa catdaaaata acagagaaaa gtccctatta 180
ataatctaat ctcacccaca tgacaaaaaa catdaaaata acagagaaaa gtccctatta 240
ataatctaat ctcacccaca tgacaaaaaa catdaaaata acagagaaaa gtccctatta 300
ataatctaat ctcacccaca tgacaaaaaa catdaaaata acagagaaaa gtccctatta 360
ataatctaat ctcacccaca tgacaaaaaa catdaaaata acagagaaaa gtccctatta 420
ataatctaat ctcacccaca tgacaaaaaa catdaaaata acagagaaaa gtccctatta 480

<210> 14528

<211> 468

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14528

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ggatggcctt gattttctca gggctcactt ggaccccatt tctaccaact acaaaaccta 120
agaagactat attatctaca caaaaggtae acttctctat atttgcctag aggggtgttt 180
tcttaaggag tgaaagaact tgctgagat gtcttaagt atcatctag ctctactgt 240
acactaaaa atcatcaaaa taaacaacta caaatctacc tatgaaatcc attaagacat 300
gatgcataag cctcataaag gtgcttggtg tgtagtgag cccaaaagga atcactagcc 360
atcctacaa accaaaactt gtcttgaaag cggntntcca ctcatcacc ttntcatcc 420
tcatttggtg ataaccactt ttaagaatca attttgaaaa gatattgg 480

<210> 14529

<211> 446

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14529

tgagcctata tgctatgcc atcatcttg tgccaaagta ctatgatact ntgagaatat 60

tatcgagacc ctctgtaattg aaaccagaag cccgtagcaa actcaaacgg caataaattt 300
 ttactcggat gcccgaaatga atcccataat atatcgaggc gatcgtaatt gaaaaacagaa 360
 gotatgagca aattcaaacg acaataaactt tttactcgga tgaataccgt aatatatoga 420
 gacgctctga attgataaca aaagctctga gcaaatcaaa accacaataa ctggtttact 480
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 540

<210> 14511
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 14532

gattgcogct caagacattt atagaacatg ttgaagatat ttgttattga tgatcattaa 60
 gtgtaattta cttattttat tttactgaca ctcttagttc atttatgata tgtttctaaa 120
 ttttctgct ctatgttgc atgaatatct gtatttgaat aatgttagca ggtttctgtt 180
 tgaataaaga cattatgttg tatcaattat gtactcctaa ctaatgatca tatttaggag 240
 aagactaatt tgtaatacat ggaaggaaact atgtagatta agtgatgtac aacgcgcaag 300
 acttgaattg gtttctattt ttaataatga aattatgatg tatccaatgt atagaacaat 360
 ttaactcatc taatgtgcac tatgttagtt taatctattt atctatatag accacaaagt 420
 gtagtaattg tacac 485

<210> 14533
 <211> 493
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14533

actcagcttc tatccaggtc catcttgggtg gtgaagctct ttcttctgtg cttattcctt 60
 agtggatgac gccgctcttt acctcttctc ctctgtcttc cgtctcatct ccaggtggaa 120
 aatcaccatt aaaggacctc attgaagctc atagatccag cctccataga agctccacaa 180
 gcaagcttcc atccatggg caaaggctgt gtccactatt ctctgtaaat gttagaatag 240
 gtttctcttc ttttgggctt tctattttga tgaattctta ccccccaagc ttattggata 300
 gaatactcca agaggattgg gctagagcag ctaaaagaagg ccttaggatt ctcatgaacc 360

ccagaggcat cacattct

498

<210> 14536

<211> 535

<212> DNA

<213> Glycine max

<223> unsure at all n locations

agaaaactaag cttaacttgcn agaataccaa gaaattccctt aactgncctt ctatcatatt 60

tcctatgttn tcttttccat tgtttaatac aaaacacttg caaccaaaga catgaagatg 120

ttagatgtat ggtttccctac cattgaacaa tccatatgga gttttcttta agatgggctt 180

tattaaagcc ctattcatga tctaacatgc agtattaacg gcttcagccc aaaaatatct 240

tggagagagga atatcatcca ttaaggctct agcaattctt tccgaagacc tatttttctt 300

ttcaaaaact ctattttgtt gaggggtctt aggtgcagaa aaatttatgtt caatgcctatg 360

cttttcacaa aataaatcaa attctctatt ttcaaaactc ccccccctgat caactcctaat 420

agatataatt ntaggattnt tcttattttg aataactttt gcaagtttcc tanatgcttg 480

aaatgcatca ttcttatgag tgataaatag tgtccaagtg tatctagaat agtca 535

<210> 14537

<211> 500

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14537

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tgtaatttgc aacctgcaca atcagaatct ctatatcttg actcatccac tgatttaact 120

ttctcatcta agtcaaggta ggttgaagtt gtctgtggag tatatggctc ttgcatctt 180

ttatgcacaa ttctttaatt agttctataa agtattttgt ttgacatany aaggttccat 240

gtttcatcta ctggacttgg agtccaagga agaaatttaa ctcaaccata atagacatct 300

caaatctctt ctacatacaa ctagaaaatt ccttacacaa aatttcatta ctagacacaa 360

atataatata atcaacatat atttgaacaa ttaacaaetc actatttact ttcttaataa 420

acaatgtttt ctcaacttcc cctctagtga aaqaatgctt aattataaaa ctgtttaate 480

tatcatacga tgaccttggt

500

<210> 14538

<211> 535

<212> DNA

<213> Glycine max

tactcaagct tggatgcttg tccaanaggc aaacaagtca aagtcncttt tttataaaaa 60

ggtgtaagtt tctacatcta aaccttttga acttttadac ttggacttgc ttggcccttc 120

tagaactatg agtttgagag ttgactatta tgcctctgtc attgttgatg attactcaag 180

atttaagtggt aatttttttc ttgctttaaa aagtgttggc tttaaagctt tcaagaaact 240

tgcaaaagtt attcaaatg aaaaagattt gaaaattaag accttgagaa gtgatcatag 300

aggtgaattc caaatgaag attttaaaac tttttgtgaa gaaaatggga tttaagtgta 360

ttttctgtct actagaactt cacaacaaaa tggggctgca gagaggaaaa atttgtgttt 420

gcaagaacta gcaagaacta tgttaaatga aactaactta gcanattatt tttggacgga 480

tgcataagt acaactggct atgtttctca tagggaattt aataatacct attta 535

<210> 14539

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14539

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tcagatggac ttgtactcta atcccacagc cgaccttttc acgagatctc tacttaaccc 120

tttgggtaaa tgatgggcca aattctgctg agttctcaca aactccactg gtatcacacc 180

atgcattgatt aactcccgaa ccattgttgt tctaacaccc aagtgtctag acttcccatt 240

atacacttga ctatatgctt tagccaaaag agcctgaacta tcgcacctga tagacatggg 300

aggtataggt ttgggcacac atggaatctc atagatcaga tttcttagcc actcagcttc 360

tttaccagct gctgctaaaag ctacaaaattc atattccatt gttgaaattg taatgcaggt 420

ctgtttcttg gatgc 436

<210> 14540
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14540

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taagagaagt ttgatgaa cctcttatag aacctgcac aacctaggaa actcctgatg 120
 cctttaacat ttgatgggtg tggcaacttt tcaatgatat ctatctttgc ctgatctacc 180
 taatttcctc gggtctaaat ttatggccc aagattatgc cttcttgaac catgaagtga 240
 caattctccc aatttaacac caagtttgtt tctacgcacc ttgttagtac cattgagggc 300
 ctacactgg aatggnggta taagaactga ttgaaaaagg ggtgaaagaa agaatggag 360
 aaatgggtga aaa 373

<210> 14541
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14541

acctgaccc ttgctcaaag taanttaatt acctcctaag tttaaagacc cagttagttt 60
 ttgtaccat gggttattgg atacacgatg ttgaaaaat cctcgtgtga ttggggggct 120
 aatgtaate taatgtccct attntaattg ttcaaaaag cttgctattg atgagctgca 180
 acctaccata tgttattgca aaagacgaat cgacctgtca aacatcctgt gagaattgtg 240
 gaggtgttc cagttaagat gaggggttgt tctattccat gtgattttgt ggtgttagaa 300
 ataattggagg agacatncaa aatctccatt atcttaggta aacctctctt atcaacg 357

<210> 14542
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14542

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 tccaaagacc ctgaggtgct gtgttgatgg cttcttcccg ttccaagctt caattggagt 120
 ctgtctcttt acagaacttag cttagacatct gttgagtatg taaacagcag tgtagaactgc 180
 ttaadtcacg aatctcttag gtaatccctt atccttcagc atcgatctag ccatctctat 240
 tctctctctt cctctctctt cctctctctt cctctctctt cctctctctt cctctctctt 300
 gctctctctt cctctctctt cctctctctt cctctctctt cctctctctt cctctctctt 360
 gctctctctt cctctctctt cctctctctt cctctctctt cctctctctt cctctctctt 420
 tct 480

<210> 14543
 <211> 423
 <212> DNA
 <213> Glycine max
 <220> unsure at all n locations
 <400> 14543

aaaaaaactc tagattctca agtcataagc atttacaaca acgatcacat tagagagggt 60
 gaataatata ttaataaaaa ataataactt ttgcaaaata aaagttttat cacagggtta 120
 gaaatatata tynnttggag tcatctactc atcagtaaaa taagtttaat aaaacatagt 180
 ttgacatccc aatatatctc tgaagtaata ttccaaaaa aggtttttta gaaaacactt 240
 ggtcagaaaa aaaggttaaca aagaaaacta agataatact taataaaatg gtttaataga 300
 gatataattag catttgattt gtactagttc acttaataaa aactaccttc aattctctt 360
 taccacaacta taanggggtc cattaataaa aaaaactttg attacaaata agtatcttct 420
 ctgtctac 480

<210> 14544
 <211> 440
 <212> DNA
 <213> Glycine max
 <400> 14544

tcttgatctg acagtcaccg ctttatgagc actgtacacc agcagcgcct cgaggccatc 60
 aagggatggg cgtttctccg ggagcgacac aaaatataag caaaaaaaca ctccacaaaa 120

tatatatatg tatgttttagg tagtgaaaat accttagata tgcattgatg taagcaaaaa 180
 aacacttcac aaaatatata tatgtatggt taggtagaaa gataccttag atatgcatgt 240
 atgtaaaadaa aaaaataactt caaaaaatat atatatgtat gtttaggttag aaataacott 300
 aggttagcaaa atacctcatg 441

<210> 14545
 <211> 514
 <212> DNA
 <213> Glycine max
 <22> unsure at all n locations
 <401> 14545

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 agttgctgca gccagatac gcacactgct atataaacat gaaggctgca cgagttctgt 120
 accaagtcog ggattgaaga gttattttgt gagttttggg acttgagtgt tttgtgagcc 180
 acctgatgt caccctaaca tcaagtgttg gaactgagtg tgtagagttg atctctattg 240
 ttcagagagc aatctctggt gtgtatttga tttactgta aacacgggag agtgattgag 300
 aggyagtgag aggggttctc atatctaaaa gtggctctta ggtagagggt gcacgggtag 360
 tggtaggtg agaaggttgt aaacagtggc tgtagatct tcgaactaac actattttag 420
 tggatttctt cctgggttg gtgccccca aatgtagggt acgttgcacc gaactgggtt 480
 aacaattcac ttgtgttatt tactatgtta atct 514

<210> 14546
 <211> 397
 <212> DNA
 <213> Glycine max
 <22> unsure at all n locations
 <400> 14546

ttgaattaga atttcaaag attttaaaag acttttttaa tcaggatttt ataaaaaaaa 60
 gtcttggtgt attcaatcat gatttttata tagtataaat aagtattttg ctattcaatt 120
 aagacatttg agatttttta aggaagacaa caaaatccgg ttgtatttaa tggggatttt 180

ttttataact tataaaaaagt ctttttggtat taaaaaatat atgaattttg atggattttt 240
 ttaaagaaga tttttgatag atttcattga attttactag attttttctt tttttttcta 300
 ntgggtacca gaattttatt tctctcctcg tcaacacatan cggcttctct ctttaaatatt 360

ttttataact tataaaaaagt ctttttggtat taaaaaatat atgaattttg atggattttt

<211> 478
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14547

atgggtccaa tgcctctgtt aggtctctcc atactctatg taaatctagg atctttatca 60
 gacactatgc tagatgacac accatgtaat ctgataatct caactaatata caaggaggtc 120
 aactctctta aggtaaatat gatattaatg ggaataagtg agtagaattg gtcagtctgt 180
 caacaataac ccagatagaa tctacacctc taggygttct aggtagtctt acaacaaaat 240
 ccctggaaat actgtcccac ttctattggg ttatctccaa gggcggtaac ttcctgaag 300
 gtctctgatg ttctatctta gccttctgac agactaagca tgcatacaca aactcactaa 360
 cctctctctt catgttgggc caccaaaaca tcatcttcaa atcctgatac atcttggtag 420
 caccaggatg gatgtctang ttactcttat gtccttctct tangatcctc ttcctatg 478

<210> 14548
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14548

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 gtaaatgtta ggtacataaa gaacatttga tattaatttg gtaactgaac acgttgaaat 120
 tgaatatgtt ccttttctt ttactggaat atagccacta ttccaatc taacctttga 180
 gacactagtt ggtttcaaat ctttgaataa agtcttatca tatgtcatgt gntctgtaca 240
 accactatca atcaaccaac ttccactga ttctctactc aagaagcatg tggccacaaa 300
 cagtgggtcc tctctctctt gattagcaat ctgagctccc tcatcatggg gaattttgtt 360

gggcagatc accatttcat gccctatctg gttgcacttg ttacattttg c 411

<210> 14549
 <211> 408
 <212> DNA
 <213> Glycine max

agcttgctaa cccatggaag ctctaatat ttcttacct ttctgggggtg ggccattctt 60
 gcatggcctt gattttctca aggtccactt ggaccccat ttaccaact acaaacccta 120
 agaaactat attatctaca caaaaagtac atttctctat atttacctag aggggtgttt 180
 tcttaaggac tgaagaact tgcctgagat gtcttaagt atcatctagg ctctactgt 240
 aacgtaaaa atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat 300
 gatgcataag ccttataaag gtgcttggtg cattagttag cccaaaagga atcactagcc 360
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<210> 14550
 <211> 300
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14550

gacacganna ataagataaa tagagtgttt aatggcataa aaccaatata gttttggtaa 60
 ttgagattga aacattaaag cccgggcaac atttaaaata tgttgatgt tacgttcaac 120
 acgtccatto tgttgaggag catacagca actagtgtga tgtataatto cttttgaaga 180
 gaataaatct ttgagaagaa attatgtgcc gttgtttgaa cgtatgcatt ttattttgga 240
 atcaaataga ctttctatta gaacaatgaa gtgttgga ca tgggttttaa cctcagattt 300

<210> 14551
 <211> 353
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14551

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atagatctcg agattcaata atggttggtg ccttggttg ccattccctg ctttaagcacc 120
 tcaaaaacttt atttggaagt ttttttcta aagatgcaag atgattaatt atgtgtgtga 180
 accttttttg catatcttgt atgctnctat ctggattcat tctaaataat tcatattcat 240

<210> 14552
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14552

atgcaagct tctaaaactt atacaagaan gaagcctga taccacttgt tggacttttg 60
 gcttagana tcttaagaag gggggggggg ttgaattaa atattacaaa ctattcccca 120
 attaaaaat tctacttta atntaactaa acaacccaag attcctttta aaaaggaaat 180
 cctaaataat aatgcaatt aatcttacta aataaaaaa aaaagaaata aacactaaag 240
 gagtttaagg gaagcgaaaa tgcaaaccca gatttatact ggttcagcca cacccttgtg 300
 cctaagtcga gtccccaagg aaccgcttg agagttccac tatatttcaa aatcccttta 360
 caagatctga accacacaag gacaatcctt ccttggttt catatttctt tacaac 416

<210> 14553
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 14553

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 taacctcaga tggcccagcc ctacgaaca acaacagcag cctgctcctt cctccaaaa 180
 tctgtctggc ccaagcagac catatcttc tccaccaatc caacaacagc aacaacccca 240
 gaaacagcca acagtggagg cccctccata accttctct gaagaacttg tgaggagat 300
 gactatgag aacatgcagt ttcagcaaga gacaaaagcc tccatttaga gcttaacca 360

tcagatggga caattagcta cctaattgaa tcaacaacag acccagaatt ctgacaagct 420
 gctttctcaa gctgtcta 438

<210> 14554
 <211> 432
 <212> DNA
 <213> Glycine max

<210> 14554
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 gacagnygaa tgcagaagga ggaaaggtga ttggagatgc cacttcaagg agaagagagt 120
 caagaacaag ttccaccaca taggaagcca tggataagag cctgaaggtt ggagaagatg 180
 aatggagggga gagggagaga atgggcaaga caattatgcc tggaaagagg tctaaaattt 240
 gaagtgtaat tcttcaaatg atcaaaagtag aaataatgca cacaataaggc ctctatttat 300
 agcctaagtg tcaatgaaa ttggagggaa atttgaattt tcttcaaat tcaattgaat 360
 ttaaatattgt ggagctaaat ttggagccta aagttcacta attatgatta gtgaatttta 420
 gctatggttt aggcactaa tccaagatca agtccaagat tctcactga gtgtgtngtt 480
 atttgttttg tacgactaac ttttgtatag aaaaatattt tcaaaatatg gg 532

<210> 14555
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14555

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 tcagatggtc cagcctcag caacaacaac agcagcctgc tcttctctt caaatgcta 180
 ctggcccaag cagaccatac attctctcac caatccaaca acagcaacaa cccagaaaac 240
 agccaatagt tgaggccctt ccacaacctt ccttcgaaga acatgtgagg caaatgacta 300
 tgcagaacat gcagtttcag caagagacca gagctccat tcagagctta accaatcaga 360
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ctcaagctgt ccaaaatccc aaaaatgtca

450

<210> 14556
<211> 459
<212> DNA
<213> Glycine max

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atagaaggtg aaacataaca tttctctgac tcacatacct atcttgcacg taactctgtg 180
atagaagctt cattgaccca ccacagtttg tgatttgcgc acgaagaagt tgccttcagat 240
gtaacatttg ttccggagta aaagccagga gccattggct ttggcaacaa tttatcacca 300
ttcaacattg aaagaactga tgacatggtt ggcctatcct gtcgtctcttg ttgcacacat 360
aataggccta cctgtatgca tcgtatgact tcctagggct tacattgttc tctaccaca 420
tcctccagta gttccagtgc cctatcttca gtccataat 459

<210> 14557
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14557

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agaataatga ctgacatata gactagtggg acctgtcaaa ttgttgattt ttaagaaata 120
tgccccaaca aaaaagagtg gtcaagagaa tctgttatag acagaggagc taccatttct 180
ctgttttaga atgggtgttg tagctattag tgaaaataga aatagagaat atttctctta 240
tgtcaaacag gcttctgcat tactatattt agttattaca acatgatgat agatcattat 300
atatttttct tttctataaa acaaatgatt tctttattga ctgggggtgg tgtatataaa 360
aaattatcaa cacattttac tttctctct atgcctgttc attccaatgt acaaatgatt 420
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<210> 14558

<111> 524
 <112> DNA
 <113> Glycine max

<123> unsure at all n locations
 <400> 14558

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 tttctatggg ttgcagtaaa ataaattatt tttctctac ttgcttatta atgaagcatg 300
 gataagtaac aatgtacacg aacctacggg tacagtaatt tgaaattact taatttggtc 360
 taatttaatt aaaatataaa taattcagaa ttatttattt ttagttttaa tataatgtttg 420
 aaaagtattt aattttttat aatcattct tcaaacntn ttagttntat ttaattaaca 480
 gatattcagg tataacogta gatatactca caaatatnta taaa 524

<110> 14559
 <111> 453
 <112> DNA
 <113> Glycine max

<123> unsure at all n locations
 <400> 14559

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 agatttccag attgcaactc ttggctacaa aattcgaaaa tctgaagatg aaggaggaag 180
 agtgrattca tgacttccac atgaacattc ttgaaattgc caatgcttgc actgctttgg 240
 gagagaggat aacagatgaa aagctgggtga gaaagatcct cagatccttg cctatgagat 300
 ttgacatgaa agtcaactgca atagaggatg cccaagacat ttgcaacatg agagtagatg 360
 aactcattgg ttctcttcaa acctttgagc tgggactctc ggatacggct ganaagaaca 420
 gcaagaatct ggctttcgtg tccaatgatg aat 483

<210> 14560
 <211> 473
 <212> DNA

<313> Glycine max

<323> unsure at all n locations

<400> 14560

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cctcctcctc cctcctcctc cctcctcctc cctcctcctc cctcctcctc cctcctcctc
agagcttgag tctaagattt caagagagaa agagcttggt catcagagag atcagaggg 120
acacaggcag agagcttgaa aacagcaagt ttactgaata ctgcacatct gaaggcatca 180
ttcagaggtt ctctgcagcc attacaccac aacanaatgg catagttgaa aggaaaaaca 240
gcatcttgca agaggctggt agggctcatgc ttcatgccaa agaacttccc tataatctct 300
gggctgaagc catgaacaca gcctgctaca tcacacacag agtcacactt aga 360

<110> 14561

<111> 432

<112> DNA

<113> Glycine max

<323> unsure at all n locations

<400> 14561

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acttaaaaaga tatggtgaag atgtcgatga ggtgaagggtc atggaaaaaa tacttcgaac 180
tttaaatctc aaattttgac ttcatctgta ccaacattga agaaaacaag gatttaaaga 240
ccatgactat tgagcaactc atgggttctt tacaagcata cgaagcaaaa caaaagagaa 300
aaattaaaca aaaggagggt acggagcaac tactacaact caacgtaaag gaagcaaact 360
atgcataatta caagagccaa agaggacgag gtgcgggcca atatcgtgga ctgggactat 420
gacatggagg ag 480

<110> 14562

<111> 268

<112> DNA

<113> Glycine max

<400> 14562

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 caotgtacac tacaataatc tcaaaatgaa caactacaaa tctacatatg aaatccatta 180
 acacatgata cataaacctc aaaaaaggac ctggtgtgtt agtgaaccca aatgcatta 240

<211> 1453
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14563

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 cttagagatc tgatatatgc caccbaatta ctctcttgtg tttcttcaga attctacta 180
 acctattttc tcttttggat gtgagtgcac tgetgatcac cacaggctta gctcatctt 240
 ctccaggaa aacatacttt agatggttgg ataatatctt taattcttcc tcttcttct 300
 cagatggagt ctgtctcttt agttctcaa atctggtttc ctctcaggg atgctatctt 360
 atcaatccaa gtctcttaag caagccttga gatctctctc tcttctactg gtaggcaat 420
 ctaccgcatt caccatg 437

<210> 14564
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14564

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 caaactcaaa aatggaggac acatgaatga caacgcaatt catcctatgg gctcggaaaa 120
 agggtaagaa tggaggattt gcttgagggt cctctcttan gcaatcatgg aacacaactc 180
 catactcgaa agtggaggac caacgaacag gcttaagcaa taacattcat gggctccga 240
 aaaaggatga gaatggagga ttgcgtttag ggtcttatct tancgaatca tggaaacag 300

ctccaaactt gaaaatggag gacacatgaa tgacaacgca attcattcac

350

<210> 14565
<211> 444
<212> DNA
<213> Glycine max

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tattcatctta ctttgataaa taagaagcct ggggcaaatg gagagagtaa gaatgagggg 120
atgtgtatat aagtggcctc agatatctta agaagggggg gttgaattaa gatattccaa 180
actttctctc taattaaaaa tctatcttac tttttactaa agttatgaat tcccttaata 240
acaaatcttct taatatattaa tccaaatgaa gcaacttgaa tatgaatata aagcaataat 300
aataaagga gattaaggga agagaaaaatg caaactcagt tttatactgg ttoggccaca 360
cccttgtgdc taagtcagc ccccaagcaa cccgcttgag agttccacta acttgtanat 420
tccctttaca agttctaaac acac 444

<210> 14566
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14566

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aatacgttnt ataacagcta taaaaatttg aattcgaaat tttaaaagct gtaatcgatt 120
acacaattgt ggtaatcgat taccagcagt tagtaaacgt ttttaattcaa attttaaaag 180
attgaatcga ttacacaatt gctgtaatcg attaccagac aggaatttca gaanaataat 240
ttcaagagtc acaacttttc aaaggcttta ctcatgacca ccaatggctc atatatatgt 300
gaacthaaca cgaaattgct cagagatttt cagaacaaca aagtgtttat cctctcaaaa 360
agcaatttca 370

<210> 14567
<211> 318
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14567

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cttctctctg tctctctctg tctctctctg tctctctctg tctctctctg tctctctctg
aaaaatttca tagtgcacac ctttaactaac ctactatga taaagagatt ta'gctttaa 120
taagagccct ccnacttgg gaacattacc ttggttccaa ggaatttgct attcatagtg 300
attcatcaatc acttaagt 318
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<210> 14568

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14568

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taaggtaaat atgatattaa tgggaataag tgagtagact tggtcagtct gtcacaata 180
accagatag aatctaaacc tctaggggtt ctaggtagtc ctacaacaaa atccatggaa 240
atactgtccc acttctattg ngttatctcc aaggggcggt acttccctga aggtctctga 300
tggtctatct tagccttctg acagactaag catgcataca caaactcact aacctctctc 360
ttcatgttgg gccacaaaa catcatcttc aaatcctgat acatcttggt agcaccagga 420
tggatgctca nngtactct at 442
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<210> 14569

<211> 327

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14569

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caaatcaatg catgccttgc ttaaaaagta ccgggttgta cataggggat ccacaccata 180
 ccacccccaa accaatgaac aggtagaaat ttctaacagg gagatcaaga gaattttaga 240
 gaagattgtg tagccaagca ggaagattg gaggaccagg ctgatgatg ctctntggga 300

<210> 14570
 <211> 110
 <212> DNA
 <213> Glycine max

<400> 14570
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 gctcgtaaga aattcaatcg acaataaactt tttactcgga tgcacgagtg aatcaggtaa 120
 tatatcgaga tgcacaaaat tgagactata agctctgagc aattgaatga caataaactt 180
 atgcacggat gtcttattga gtcccgatg atatcgagac gctcacaatt gaaaatggaa 240
 actcttagaa aattcaaacg acaataaactt tttactcgga tgcacgacag agtgcgttaa 300
 tttatcaaga gatgctccaa attgaaaacg gatgctcgta tcaaatccaa acgacaatga 360
 ctttttgcct ggatgaatga tttagcccc gaatatatcg agacactcaa 420

<210> 14571
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14571

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 aaaaagttat tgcatttga atttctacg agcttccgtt tcaatttgg agcatctoga 120
 tatattagag gactcaaccg gacatccatg tataaagtta ttgtcaattc aattttctta 180
 gagcttcgga ttaaaatttt gagcgtctcg atatattacg ggactcaatt agacatccga 240
 g'aaaaagtt attgtcgttt gaatttgata cgagcttctg ttttcaattt ggagcatctc 300
 tggataaaat acgacactct gtggggcact cgagtaaaaa gatattggcg tgtgatttct 360
 taagagtttc gtttaatttg gagcgtctga tatattacgg gactc 405

<210> 14572
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14572

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 gaaatgcttc tttttccact agcgaagatg ttcaaagtct ggctatgaag atggttcaaa 180
 ctgagaagca tctgggtattt ccattggatt ataaacttat tgagctagct atgatattgc 240
 cgggtgcgac agcatccgtt gaaagagctn tgcagcaat gaagattatc aagtctaaat 300
 tgcgcaataa gatcaacgat gtgtggctca atgactggat ggtgtgttac atcgagcggg 360
 agatattcaa gtcgcttgat gatattgata tta 393

<210> 14573
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14573

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 tncatttcca cctagagcaa ttcaaacaa aaagatggaa gaagtggata aggagatctt 120
 ggagaccttc aagaaagtag aggtgaacat acctctgctg gatgcatca agcagattcc 180
 aagatatacc aagttttctaa aggagttatg caccacaaa aggaagctca caggcaataa 240
 aaggattagc atgggcagaa atgtgtcagc attgataggt aaatctgttc ctacattcc 300
 tgagaaatgt aaggaccag gtactllltg tataccttgc attattggga acagtataat 360
 tgagaatgtc atgctagatc tangagcatc agntagtgtc atgcttatgt ccatttacia 420
 tctttatct 430

<210> 14574
 <211> 375
 <212> DNA
 <213> Glycine max

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ctaactctct aaccatcaaa gcagacatct gaagggattt cctactcaag gcatcagcta 300
ctacattggc tttaactggg tgatagctaa gctcaaaaatt gtaatcctta aggaactcta 360
aacatctctt ctactcatg ttaagctc 399

<210> 1
<211> 1
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14577

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tcattgctat gttctgagcc tccattctct gtgtgcaaaag atctaagctg tttctcanag 120
tcctttctaa gatactctgc ttgattcttc tggcgttgcg cctcatcttg cttttcccat 180
aactcatgta gttttagagc aaattcatgc atggcctctg ccaccccagc ttctgatatt 240
ctactcattg catgattcca atcattgcaa attataaaaa ctgggtggggc atcaagctga 300
cttggagaga aag 313

<210> 14578
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14578

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aatatgtacc tgtcgcaagg gtttgtggtt tgtgtccttc tgcagaccac cctacagacc 120
tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctgcacata 180
tttaacctag aactcctcaa cctcagcagc aaaatcaacc acagcagaac aattatgacc 240
tctccagcaa cagatacaac cctgaatgga ggaatcacc ccaactcaga tggctcagcc 300
ctcagcaaca acaatagcag cctgtccttc ccttccaaat gatgctggcc caagcagacc 360
atacaattct ncaacaatcc aacaacatca aca 393

<210> 14579

<211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <430> 14579

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 catgtctgt ttgtgcctcc taccgggaa cctatcaaaa ttgtactgat actgcctaata 240
 gaagccaacc attatgtcct tccaagagtg gactcgagaa ggtccaggt tagtgtacca 300
 ggttaacagct accccagtcga gaattttctg gaaggaatgt atcagcagnt cctcatcttt 360
 ttgcgatgcc cncatcttcc gataatacat cttt 394

<210> 14580
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <430> 14580

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 aggtaatatt gtagecgatg ctctttctcg gcgtcatgca ttactttcta tgcttgaaaa 120
 aaaattgatt ggtcttgaat gtttgaaaag catgtatgaa aatgatgaaa cttttggaga 180
 aatttttaaa aattgtgaaa aattttcaga aaatgggtttc tttagacatg aaggctttct 240
 ttccaagaa aacaaattgt gtgtgcctaa atgttctact agaaatttgc ttgtttgtga 300
 agcacatgaa ggaggtttta tggnngcatt tgggggccaa aagactctag aagcattaca 360
 agaacaattt tatatgcctc atatgagaaa gcatgtgcag aaattttgtg aacattgcac 420
 tgtatgtaaa aaggcaaagt ct 442

<210> 14581
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <430> 14581

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 aaaggatggc atggccacta gctgcatgtt ttccaatcaa ctccgtaact tcatcaagtg 120
 tcttcaattt gactttcca ccagtggag catcaagtaa ttgcttcgaa tggggctcgca 180
 ctctctctt gctctctctt gctctctctt gctctctctt gctctctctt gctctctctt 240
 gctctctctt gctctctctt gctctctctt gctctctctt gctctctctt gctctctctt 300
 ataaagagat ttccaccttc ccttcaggg tcttcaggt ttgaaaatc ttcttcaga 360
 acttctccac cactctctct tatatctga agttatt 397

<210> 14532
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14532

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 ccgtggctat acgagacatc ttgccaaaca aagtcaggtt agccataact cgtctgtget 120
 tntcttaca tgcctatgt agcaaagtc ttgatctgt cacagttgat gagctgcana 180
 atgaagccgc acttatactg agcctagtgg agatgtatct tctacctget ctctttgaca 240
 tcatgattca cttgattgtg catctgggca gagaaatcaa atgtttgtgt cctgattatt 300
 ttggggcggat gtaccaagtt gagcgataca tgatgatctt ataagggtat acacagaatc 360
 tatatcatct agaagcatct at 382

<210> 14533
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14533

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 ntttactcgg atgtctgatt gactccaca atatataaag acgctcgaaa ttgaatgtta 180
 aagttctgag caaagtcaaa cgaacaatac tnttactcg gatgtcggat ttgagtcagc 240

aatatatoga gatgtctgta attgaatacc gaagatctga gcatattcaa acgtcaataa 300
 ctntntacac ggatgtgctg atgagtcctg taatatatcg agcctctoga aattgaat 353

<210> 14584

<220> unsure at all n locations
 <400> 14584

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 tatgcttatg ttgttggga tgatttctct agatatacct gggtaaatc tattagag 113

<210> 14585
 <211> 361
 <212> DNA
 <213> Glycine max

<220> unsure at all n locations
 <400> 14585

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 gatgtccgat tgggtgaaat aatatatoga gacgcacgaa attgaacaac ggaagctctc 120
 gagaaattcg aatggtcata acatttcact cggatgttcg atccggggac atatattatc 180
 gagacgctcg aaattgaaca accgaagctc tcgacaaatt agaatggctg taactcttca 240
 cgcgaatggt cgattcgggg acataactca tctagacgct cgaaattgaa caacggaagc 300
 tctcgagaaa tttgaatggt cataagtnt cacacggatg tccgattcgg aacataatat 360
 a 361

<210> 14586
 <211> 340
 <212> DNA
 <213> Glycine max

<220> unsure at all n locations
 <400> 14586

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 aggaacttat acgttgatga accttgttta agataaatg aaaagtattc ctagaagcta 120

tcttatgaaa gatagacact ccaaggtact ttccaagatc cttagtccaa gcaataccca 180
 tttctccact tagttgated ttgaattgag tctccacatt tttggaaaag aacattcaag 240
 attttcccaa gcttaatttc tgcttagaac tcttgcaaaa tagattcaaa atattcttga 300
 tagaatggac ctgtctccat aaagccttca taaataaaat 360

<210> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14537

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 agaggggtgat agcccatgag caagcaaagg caaaggaagc tggagcaaaag atggagctgc 160
 atgaagctaa agcaaggcat gcagcagaga agctaagcgc caaccaatca cattatgggc 240
 tccaccatgg ccacaacaac cctcccttag taggaacaac tcagactcac taccagcaag 300
 ggcaccagca ccagccactt ggggcagttc ctatgcctgg aaccacttat ccattcttate 360
 cactaggagg aaaccctaac cctccaagga acaaacatat ataatagatc tatctgtgtt 420
 ntgctgtagt acgtctactt cttgtgttat tactct 487

<210> 14538
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14538

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 gatgaatata cgaagcacat tgaaaaggat ccagctctgg agaggcgatt ccagccagat 240
 gaaaccatac aaatactgaa aggacttaga gaacgtatg aaattcacca caagctccgt 300
 tatacagatg tgcagttgtc acatttaaac gttctgtctc cttttctgtt cattttacct 360

attctattca tttatgctgg agatcagaca agtttcttta tttcttataa tatttatgta 420
 gctggaaatt tttcaaagt atattaattt atctctttga attgtatata atagtttagat 430
 tatt 444

<223> unsure at all n locations
 <400> 14589

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 aattgaaaac aaaagctctg agcaaattca aacgacaata actttttact cggatgtctg 120
 attgagtcctc gtaatatatc gagaacgctc taattgaaaa cagaagctct gagcaaatc 180
 aaacgacaat aacttttaac tgggtgtctc gattgtgtcc cgtagtatat cgagacgctc 240
 gtaattgaaa agggaagctc tgagaaaaat caaacgacag taacttttaa ctggatgtc 300
 cgatagagcc ccgcanaata tcgagacgct cganattgaa aacagaatct ctgagcaaat 360
 tcaaacgaca ataactnng actcggatgt ctgatgtgt ccgtagtat atcgagacgc 420
 tcagaattga aaccgaagct ctgag 445

<210> 14590
 <211> 490
 <212> DNA
 <213> Glycine max

<400> 14590

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 tgtattacgt gactcaatcg aacatccgag taaaatgtta ttgcagtttg catttgcac 180
 aagctctcga tttcaatttg gatcgtctcg atctatgatg ggaactcaac ggacatccga 240
 gttaaaagtt attgoggett gcatttgcta cgagcttccg ctttcaacta cgagcgtctt 300
 gatataattc tggactcaat cgaacatcag aataaaaaagt tattgttgtt agaatttttt 360
 tcagagcctc tgttttccat taagagcgtc tcgatatatt acgggactcc atcagacatt 420
 ctaaaaaaa gttattgtcg tctgaatttg ctgagagctt ctgtctgcat attcagagct 480

ctcgatatat

490

<210> 14591
<211> 418
<212> DNA
<213> Glycine max

gcatgcattt catcanaata aaaaataaaa actgtttagt taaagggtaa tgcacttttt 60
ttaatgagac aaaatttttt tgcgacgtat gaattgaaac ttgacatgac gtacgtgaat 120
gtgataatca ggagagagga agaatttttc tgaaatgggc agagctaata gaggaaaacg 180
cagaagaact tggggcacta gatgcatttg atgcgngaa gtgttaccat atgtgttaga 240
atttggaagt tccagcagca gcaaacactc ttcttacta tgcaggtgct gcgataaga 300
tccatggcga ggtgttgaaa atgtcccgag acttccatgc ctatcatttg cttgaaccac 360
ttgggtgtgtt gggacacatt actccctgga atttccccc aaaccatgttc tacatcaa 418

<210> 14592
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14592

tctcgctttt cttgtttaat tattatattt tgtttttaag ccttgtattt ggctatgttt 60
tcatgacatt tgaatactta gtattttttt tattacttga ttagtataac tgaatatgat 120
gattatattt acttgccttt ggggtgttat ggttatgaag ttttaaactt aattattttg 180
atgatatatg actagaggta tgcactttta ttgggttatt atgaatgact ttctggataa 240
tatgatattc tatgaagtat tatctttcta agattgatga atgggttaaga tatcttgttt 300
gattgatttt ctattcttgt gtatgtcatt tatgtatggn ttttatatat atttgatcta 360
ttcatgtttc ttgcttcatt attgggttat atttttccat gaactgggtg tgaatgatta 420
gttgatattg tatgtttcat accttgtacg cacttttggc tttctgtgat gcccaggggg 480
ggggg 484

<210> 14593
 <211> 225
 <212> DNA
 <213> Glycine max

<400> 14593

gagatgacg gaggagagaga aattgaaaca gcagggttac tgaattctgc acatctgaag 150
 gcatcactca tgagttctct gcagccatta caccacaaca gaatg 225

<210> 14594
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 14594

accttggata tcttttgcct cggaaacctc tcttttctca tgtgaacca aaccaatct 60
 ccaggatgga aaacaacctt tctgcgcccc tctgttgctt gtttagcata actctcatc 120
 ctcttatcaa ttggggcctt gactctatca tggagccttt tcacataatc tgttttggct 180
 tgtctctctt tatgcttaaa aactgaaata ttacgcattg gaaacaaatc aagaggagtt 240
 autggattga aaccatacac aacctcaaaa ggagaacaac tagtggtgct atgcaccgcc 300
 ctattataag caaattcaat gtgagggaag caaactttcc acatttta 348

<210> 14595
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 14595

acatactctt catgcttctc accatgtcta ataaggcttc atttcttctg tctgcgacac 60
 cattctgac cggagaacca ggcatagtgt attgggcaac aatccatgt tcttgaagaa 120
 attccacaaa tgaacctggt gcttgctcat cctctgtgta tctaccataa tactcccccac 180
 ctctatctga tctcagcacc ttacattggt tccacattgt ttctcaactt cagcctcaaa 240
 aactttaaag gcctctaaag ctccattctt agaatgaagt aagtagagat acatatarct 300
 tgaataatca tctataaagg tctgaagta ttctgtaacta ttctcatcta tgtctggaca 360

392

<210>	14597
<211>	455
<212>	DNA
<213>	Glycine max

acactatttaa tgcattactg ttaaatccaa tatatataag taaagtttat agattacgta	60
ctaagtttca gaaaataatt atttattttt tttaaaaaaa aattagtaag cataactttt	120
cattctgaaa aagataattc agaattaaaa accttcggtt tggattacct tttctgaatt	180
gatcaaaaagg agtgggtgact gataataaac tctcggacta aaatttttat aaagttattt	240
atattaataa catattttga aatctcatta agattttatt tatattttct aattttctca	300
ttactaaata ttataaatca tgtataaata atattgaata taccaataaa ataaagattg	360
aaataaaaaca cttttttaaga gaacaaaata ttttaagtaaa attctttttt tttctatacg	420
taccataaac ttattattaa gaataataaa tctag	455

6157

<211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14598

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

ttcaaatggg cttcaattat cacacggatg tccgatttat gggatctata tatcgagatg 14
 ctogaaattg aacaaaggat gctctcaaga aattcaaatg gtcataaatt atcacacgga 240
 agttcgattc agagcctata tatatcgaga agcttgaaat ngaacaacgg aagctgtoga 300
 taaattcaaa tgggtataac ttatcacacg gaagtcgat tcaggcgcat aatatatoga 360
 gaagctogaa attgaacaac ggaagcgcgc gagaaaatca aatgggtcata acttatgaca 420
 cag 483

<210> 14599
 <211> 121
 <212> DNA
 <213> Glycine max

<400> 14599

tcataaactta tcacacggac gtctgattca gccgcataat atatcgagaa gctgagaatt 60
 gaacaaccca agctctcgaa aaactaaaat ggtcataact ttccacacgg aagtcgatt 120
 t 121

<210> 14600
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14600

ntaatntatc gtggctgana ttgagnttac aatccaaagt tctaagtatt aacaaaggaa 60
 attgtggcca ataaatttaa gggataaatg atcatttgat tctagatgta taaattggtg 120
 acatttgaat tcttataaaa aatgaaaatt gtgattttca tctttatgta aaaaaatgtg 180
 acaatttatat ttatcatcac aacttaatha ataacaaatt atattaatat ttttaattta 240

taattttaatg tcaaatattaat cataaaaaaat ataacttaat ctcaaaacttg tcccataaaa 300
 ttttagctaca ggacattttgt taaaaatttt atacatttaa ggattaaatc aattttttgtt 360
 ttttttcaac aactaatggg taccaattta cactctcaag aatcanatcg tttatcctaa 420
 ttataagrat aagratataa aaaaaataa ttaataccta tattaaggac caatgatana 480

<210> 14601
 <211> 412
 <212> DNA
 <213> Glycine max

<23> unsure at all n locations
 <400> 14601

cgacaataac tntntactcg gatgtctgat tgagtccega aatatatoga gacgctcgaa 60
 attgaataac gaagcgetaa gcaaattcaa acgacaaaaa ctttttactc ggatgtctga 120
 ttgagtccecg taatatatcg aaaagctoga atgtgaatgt agaagctctg agcaaattca 180
 aacaacaata actttntact cggatgtctg attgagtcce gtaatatatc gagatgctcg 240
 aaatggaata ccgaagctcg gagcaaattc aaacaataat aactnnttac tcggatgtcc 300
 gattgagtc cgtaatatat ccgaacgctc gaaattgaat gtagaagctc tgagcaaatt 360
 caaacgacaa taacttttta ctggatgtc tgattgagtc ccgcaatata tc 412

<210> 14602
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 14602

atcettaagt cacttgcggc atgcagctat cactcggaga tctgattcat gtcattata 60
 tatcgagaacg ctgaaaaatg aacaacggta gctctctaga cattccaatg ctccattacc 120
 ttaactcgga gggctgattt atgcgctaa tatattcaga cgtctcgcaat tgaacaacgg 180
 aagctttcta tatattcaaa tggacataac tttctactcc gaggttcgat tcaagtgcac 240
 gatttatcca gacgctcgaa attgaacaat agaaactctt cagaaattca aatgggcata 300
 atcctaaact cggaggtccc gattaagcgc atactaatcg agacgctoga atttacaatg 360
 gagctct 367

ggcggttacat atatcggtga actgcaagtc agatgctctg tcgaatgtac ttgtggacac 180
 tggttcctca ttgaatgtaa tggccaaatc cacattagat caactttcct accagggggc 240
 ccccatgaga agaagcggng tggttgtcaa agcgtttgat ggatcaagaa agtccgttat 300
 tggggaagtc tatttccca ttacaattgg gccgtttgat ttccaaatta cattccaggt 360
 ggggtttgat ttttccca ttacaattgg gccgtttgat ttccaaatta cattccaggt 420
 tggaggt

<J10> 14603
 <J11> 235
 <J12> DNA
 <J13> Glycine max

<400> 14603
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 caaaaacctt tgtgcatact gctatatcca aaaaagaaac atggaatact ccgtggtgat 120
 aatttatgag gaggcataatc tcgcaaacca gggataaccc gacacccaat gggtgaaagt 180
 gaggcataatt tggagaaaca tcatgtaaga gctcaaaagg agatatacct ttttaa 235

<J10> 14609
 <J11> 454
 <J12> DNA
 <J13> Glycine max

<J23> unsure at all n locations
 <400> 14609

gacaattgaa gaggctatac atgtttcctt tgatgagtc aatgccattc ttccaaggaa 60
 ggatttttta gatgatattt caaattcctt agaagataca catattcatg gaaatgactc 120
 taaagaaaaa gatgaaggaa gcaatgagga ttctcaagat aatggagtta gagcacataa 180
 tgaaccttca agagaatgga gagcctcaag agatcttccc ctgacaaca ttattggtga 240
 tatatcaaaa ggggtaacaa ctgacattc tcttaaatat ttttgcaca atatggcttt 300
 tgtatttatg attgaacctt anaatatataa acaagccata gtagatgata actagatcat 360
 tggcatgcaa gaagaactga atcaatttga aagaacaat gtgtggaaac tagtagaana 420
 acctaaaaat tttctgttca tatgaacaaa atgg 484

<210> 14610
 <211> 293
 <212> DNA
 <213> Glycine max

ccgacccgagc atttaaggat gcccttcacc ttgtcgggga ccacctctat cccctttctgg 120
 attacgatga aaccgagtaa ttctcccgac ttgaccccaa nagtgcacta ggcggggactt 130
 attcttaact aatactatcg tagtctctcg aacaactagt tttagacttg ccaatcatgt 240
 cagcacatag acttaatttc ttgcgcacac atatcatgga ataattgtac cat 293

<210> 14611
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 14611
 taacaaaagg catgtgaagt gggtggaatt cctagagcat ttcccttatg tttatcaaaca 60
 taaaaaggga aaaggtaata ttgtagccga tgcctctttct cggcgctcatg cattactttc 120
 tatgcttgaa aaaaaattga ttggtcttga atgtttgaaa agcatgtatg aaaatgatga 180
 aacttttggg gaaattttta aaaatttga aaaattttca gaaaatgggt tcttttagaca 240
 tgaaggcttt cttttcaaag aaaacaaatt gtgtgtgcct aaatgtttct ctagaaattt 300
 gcttgcttgt gaagcacatg aaggagggtt aatggggcat tttggggctc aaaagactct 360
 agaagcatta caagaacaat tttatatgcc tcatatg 397

<210> 14612
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 14612
 cctggctgct tattgcaggt tgacaaagtt agtgcacccc agaaaactcag gctagaagct 60
 gaaaaaagag atgatgttgt atgcatactt gctttaagag gtaattggct ccaagaattt 120

tgaatggag ttcaagacaa gctaaaggtg caaagttgaa accaatctgg atgtcaattt 180
 aaatatacca ttgtactatt tgatatcgaa taaccogttt gtttgaacta cgaactattt 240
 acatttgita aatcaaaatt ctattattca ttaacaggac tccatggttt gggtggaagc 300
 tgggttccca ttggaatag gtgaccttct cagcaccata catcaagttg caatgggtga 360

<210> 14613
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 14613

gtctcagat tgtcaggtgc tcctccttta attgttagcc cgggctatac gagacatctt 60
 gccaacaaaa gtcagggtca cgataactcg cctgtgcttt ttcttcacatg ctatatgtag 120
 caaagtgatt gatccagtaa tgtttgatga gttggaaaat gagggcgcaa ttatactgtg 180
 ccagctggag atgtatcttc cccctgcttt ctttgacatc atgattcact tgatttgcga 240
 tctggtcaga gaaatcaaat gttgtggtec tgtttatcta tggaggatgt acccgyttga 300
 gggatcacatg aagatcttaa gagggctaac aaagaatcta tatcgtggcg aagcatctat 360
 tgttgagagg tacattgc 378

<210> 14614
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14614

ttaggacaca tgaacganaa cgcaattcat ggggctctgt anagataag tatggagaat 60
 tgcactaacc aatcactacg catggctcca aactcaaaagg tggaggactc atgaacgaaa 120
 actcaattca ttgggtccga aaaagggttg agaattggaga attgcactaa gcaatcacta 180
 cccatagctc caaactcgaa ggtggaggac acatgaacga aaacgcaatt catgggtctc 240
 cgaaaaaggt tgagaatgga gaattgcact tagcgatcac taagcatage tccaaactcg 300
 aaggtggagg acacatgaat gaaaacgaaa ttcatgggtg tccgaaagga ttgagaatgg 360
 agaattcaac taagcaatca ctacgcacg ctccaaactc gaaggtggag gacacatg 418

<223> unsure at all n locations
 <400> 14617

gcgatgctc tttctcggcg tcatgcatta cttctctatgc tngaaacann aatgattggt 60
 atgaatggt tgaaaagcat ghatganaat gatgaaactt tggagagaat ttttaaaaat 120
 gtttgaatggt tgaaaagcat ghatganaat gatgaaactt tggagagaat ttttaaaaat 180
 gtttgaatggt tgaaaagcat ghatganaat gatgaaactt tggagagaat ttttaaaaat 240
 gtttgaatggt tgaaaagcat ghatganaat gatgaaactt tggagagaat ttttaaaaat 300
 tggcctcata tganaaagga agtgcagaaa ttttgtgaac attgcattgt atgtaaaaag 360
 gcaaaagtcta aggtaaagcc tcatgga 347

<110> 14618
 <111> 429
 <112> DNA
 <113> Glycine max

<223> unsure at all n locations
 <400> 14618

ctaagctctc gatatatatg cacatgaata gacttcgtng ttattatgac attgaattct 60
 cagagcttcg ttgttcattt tgagcgtctc gatatattat gcaccagaat cggactttcg 120
 tgtgacaagt tatgaccatt tgaattcttc gagagcattc ggtgttaatt tcgagcgtct 180
 ggatatatta tgcgcctgaa tcagacctcc gtgtgacaag ttatgaccat ttgaatttct 240
 cgagagcttc cgggtgttcaa tttagagcgt ctcgatatgt gatgcgccag aatcggactt 300
 tcgtgtgaca agttattacc atttgaattt ctcgtgagca ttcgttgttc aatttcgagc 360
 gtcctgatat attatgcgcc tgaatcggac attcgtgtga caagttatga ccatttgatt 420
 tctcagagag 419

<110> 14619
 <111> 442
 <112> DNA
 <113> Glycine max

<223> unsure at all n locations
 <400> 14619

caataaagna agagcargcc tagtaacaag cacatctcca tttaaagggt cagcaacatc 60

aatgggcata actttttcaact tggaggtccg attcaacggc ataatatatc gagacgctcg 360
atattgaaca acagaagctc t 331

<210> 14622
<211> 456

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14622

tgatctgtta agttatctta tttagccact gtctaatagc ttgagcactt tacacgaggc 60
aggttaactgt gcagagaaaag agtgtgacga ccacaaacat tttctatagc aaatcttcaa 120
aaaagtacaa ctgttcagag tegttaatgc aatctctctt cccaagggca ttggatagaa 180
gactccaaga agattgggtt agagatgcac cagaaggccc taggggtctc ataagcctta 240
gggtagattt tggacccatg ggctaagtat gagctcactt atctctgtac atattagatt 300
aatgttctat tatctcttgg ccttgatatt agggccccat aatgttaggtt gggtacctta 360
aaattctagg atttttcagc ccttgatatt tagggccact agactaggtt tttgtattaa 420
gggtagtttt gtaatttcac atgcattaag tgaata 456

<110> 14623
<111> 328
<112> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14623

tcctatgggt tccacgagtt tcatgatgtt atcagagctc ttcaactgaa gagcttttgt 60
gtacaactcg atctatcttc cttctctctc gtntccatga ttttcaacta gtgttgtgtc 120
gcatatctta ttgtgttcat catgagtgcg acacaggctc aagatcaagg atcttatgtg 180
catagccctg attaccttca ttcaacttgg aaaagggtgc acaatatggt tgtgtcatgg 240
cttgtacact cagtttcaac ttcaatacta cagagtatat tgtggatgga caatgctcat 300
gataatgga aagaattgaa gtcatgat 328

<210> 14624
<211> 306
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14624

gatgaacaac gtttgggtgga ggtttaggtg cangattatg aaattntgac ttcaactcaa 60

gagtggtg ggtggtggtg ggtggtggtg ggtggtggtg ggtggtggtg ggtggtggtg 120

ggtggtggtg ggtggtggtg ggtggtggtg ggtggtggtg ggtggtggtg ggtggtggtg 180

aaagagtcaa acgaatttca aaatgtatg ggtttaggtt tcaagaaagc attataat 240

gtagttagggc taggtttatc gagtataaaa atagattggt gcattgatgg gtgtatgttg 300

tattac 336

<211> 14625

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14625

tactagctt acgcaatgca ctctactcag ttttatagga tttgctaaca attaaacata 60

agtatattca ccaggaaaac attgtttgtg aaggaaattg tagtgttgcg attcanaaga 120

tcctggccacc caagcataaa gaccttggga gtgtaacaat tccttgttca attggagaag 180

tcactgtggg aaagaactttt attgatctgg gaaccagtat taacttaatg ccactctcca 240

tgtgcagaag gttgggagag ttggagatca tgcccactan gatgacctta caacttgttg 300

accactccat taagagacca tatggagtaa ttgaagatgt gttggtcaga gtaaaacatt 360

ntatctttnt ggcagactnt atggtaatgg atatctgtga agataatgac attcctgtaa 420

tatt 424

<210> 14626

<211> 483

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14626

agctggatgc tccttcttca ctacatcaag aatcaccggg ttgatgtctt ctctgtggt 60

gtcttaactgg tttagctcca tctctaaat ttattcgatg catacatgtg gatgggctaa 120

taatangaat gtcggccagg gtcagccta tagctctctt atgcttcttg agaactgaca 130
 aaaaattctc ctcttgctca tcagcaaggg aggcagatat aatcactgga aaactcttgc 240
 tatcatccaa gtaagcgtat tttaaatttg atgpcagagg ctccaattct ggtgtggctg 300
 gtaaaacacc accaaccagg atgcaatcaa tctactctc agattcactc tcagcatcaa 400
 att 463

<210> 14627
 <211> 372
 <212> DNA
 <213> Glycine max

<220> unsure at all n locations
 <400> 14627

actcggatgt ttgattgagt ccggccatat atcgagagcg tcgaaattga atgttgaagc 60
 tctgagccaa ttcangcgac aatatctttt tactcggatg tctgattgag ttctgtaata 120
 tatcgagacg ctcgaaattg aatgtttgaac ctctgagcaa attcaaacga caataacttt 180
 ttctcggat gtctgattga gtctgtcat atctcgagac gctcgaaatt gaatgttgaa 240
 gctctgagcc aattcaaacg acaataactn tntactcgga tgtctgattg agtctgtca 300
 tatctcgaga cgtctganat tgaatgttga agctctgagc caattcaaac gacaataact 360
 ctntactcgg at 372

<210> 14628
 <211> 465
 <212> DNA
 <213> Glycine max

<220> unsure at all n locations
 <400> 14628

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 ccgagcgaag acactgacaa aaacttaact tctctctctt ggacaaagta tggcaggctg 120
 ggggcaagta aattttcttc ccatcagacc ttggatgcaa ctgtgatctt ataccatat 180
 caactagatc ttgacgggta ttaagccat ccttctctt gcttgaatg ttaaggagcg 240

tccccaatcac actgtcacaa acattttttct ccacatgcac aacatcaata caatgtctaa 300
 cgtcaagatc acaccagtag ggaagatcaa agaanatgga cctctttcttc catatgcaac 350
 tctgaatttt atctttcttt tgggtctttcc caaatatagt gttcaggtgt tgaacccgct 420
 tctatcttc tctatcttc tctatcttc tctatcttc tctatcttc

<210> 14629
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14629

ctttatagaa acaagccgag ccgagcctta cataggccga gccaaagacc ctgcacaagc 60
 aggtcgactc attccaccc ctatctgtaa tcatacctac taaataatta gattataagt 120
 gaatattata attataatca taactaattt ttaaaaaatg gatataaatt gatataacta 180
 gttattgttt ttaaaaatag aatatataat taattatgaa taaactagtt atataacaac 240
 tatataacaa gttgcactca anaccaatta aatagttatg aatgaatata aataagttat 300
 ttgaaatact catttctata aaattagtta tagttntata actataatta tttntaaata 360
 agaatgagtt atttacaata ctcatcacca t 391

<210> 14630
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 14630

agcatggatc caccacaccag cttcttcgcc caatgcacca tgctcctgga gtaactcgat 60
 ggcgaccgag gtggaggatc ctttcaccaa tcacgccag cacacgatta ttaagttgaa 120
 actgtcttgc aaaagcagcc ccactttttg ccattgtgatt gtaaacagag ggtttaaaga 180
 agtgaggctc catcttttga ggattgtccc agatcatata tcgtaagtca ccatttactg 240
 ttgtgttctt aaattcttgc gcattgcaaa cgactgagtg aaagttagct tcttgagata 300
 acttcacatt tgtaaaatac atcagtaggy tccgaggtaa attgtcccaa c 361

<210> 14631

<211> 352
 <212> DNA
 <213> Glycine max

 <400> 14631

 tctgaactga atgacattga taaaggaatct attctcttat tatgtgagca aaccagtgca 60
 caatctctga tctgaactga taaaggaatct attctcttat tatgtgagca aaccagtgca 120
 tctgaactga tctgaactga taaaggaatct attctcttat tatgtgagca aaccagtgca 180
 tctgaactga tctgaactga taaaggaatct attctcttat tatgtgagca aaccagtgca 240
 aagggaattga aaccatagac aacctcaaaa ggggactgct tggtyggtct atgaacaccc 300
 attgttgtaa gaaaattcta catgaggaag atactcatcc caagacttat gg 352

<210> 14632
 <211> 324
 <212> DNA
 <213> Glycine max

 <220> unsure at all n locations
 <400> 14632

 tagccaccaa agcatgcbaa aaatntcctt ggcactatct ttcttgcctac gaaactnaga 60
 agcagctccc tctaggtoga taaattcttc ccttctctga gctcaacaa ttgctttttt 120
 ctcttctgct aacggngga ttccagcaat tttattcttc attctttcaa catattcggc 180
 ctcttttttt tccatgcttt cctgataaaa gaattttctt tttaaagtaa catacagcta 240
 atttataaaa ccaatcatat tgatgcatta attgaacata agtctggtga cacaagaag 300
 atccaattct ctggccaatt gtcac 325

<210> 14633
 <211> 417
 <212> DNA
 <213> Glycine max

 <220> unsure at all n locations
 <400> 14633

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 aaagcttact aagacacctg tctagctct tctaaacttt tctaaaaactt ttgagctaga 180

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 ctattttagt gaaaaacttc atagtgcac cctcaactac cccatctatg ataaagagct 300
 ctatgcctta ataagagccc tccaaacttg ggaacattac cttgtttcca tggattttgt 360
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<210> 111
 <211> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14634

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 cgggttggtt tgcaccaacc aagcggatat gaccggaagg cttcttgcocg gtccattggt 240
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 ccttgacacag gttcttgaag aagatcttat tgttatgttg gcttttcata aaggcctaca 360
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<210> 14635
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 14635

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 cataaattctg ttatctcttc aacagattat tghgcagtta gcaagagata agatgatcta 300
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<210> 14636
 <211> 400
 <212> DNA
 <213> Glycine max

<214> 14636 14636 14636 14636 14636 14636 14636 14636 14636 14636

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 aagatgatt catgactcc acatgaacat tcttgaaatt gcaatgctt gcaatgctt 240
 tggagagagg ataacagatg aaaagctggg aagaaagatc ctcagatcct tgcctaagag 300
 attgacatg aaagtccatg caatagagga ggcacaagac atttgcacaa tgagagtaga 360
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<210> 14637
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 14637

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 tctcagatt gggaaatctc caaatttggg gtatcttgac ctgagttcag atgttgccaa 180
 cggaaacagta ccttctcaga tcgggaatct cctcaagctt cgatatcttg acttgagcga 240
 caattatttt gaaggtatgg caattccttc tttccttggg gcaatgacct ccttgactca 300
 cctcgacctc tctgatactc cattcat 327

<210> 14638
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14638

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<210> 14639
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14639

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 aagctaagta tgtatttcac aacgataatt cgatatttga aatacttcat cgaggagttt 180
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 tcaaaagtaac aatagctcca attatattac aagtcataca aatatctcct atatggcaag 300
 tctatttgaa tgtgtactct atctcttctc gctaatgccat tgaggagtta ttatcaagtt 360
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 atat 424

<210> 14640
 <211> 495
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14640

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 cagaagcctc tagtagttgc ttggttggtg gtcttagtcc atctatgaac atattcaatt 180

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Aggttgctctc	ccanattcatt	ggtagaaca	tgattccctgt	tcttgggtcat	gctggtaata	60
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tttttgtcat	gcagatggaa	tatgtcatgt	atatgtagac	aaaacagcta	atattgatat	180
ggcaaagaag	attattaggg	atgcaaagat	tgattaccct	gcagcctgca	atgcaatggg	240
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attacaatat						370

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gcttgtgcat ccttatgctt aaacatagca atgttaggca taggcaacaa atcaagagga 180
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<210> 14643
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 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14643

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 gcatgacct gctgaacatg tagtntcaac aagagaccag agtcttcatt cagagcttaa 300
 ccaatcagat gggacaattg gctacacaat taaatcaaca taagtccat aattctgaca 360
 agctgtcttc tcaatc 376

<210> 14644
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14644

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 ctcatggcag aactatgagg aggaccaaaa ggtgaagctt gccgccacga agttttctga 300
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<210> 14645
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14645

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 tagcgagacc agaagcatcc gtctcgacgt cgaaggggat agtgaaatcc ggcggaacga 240
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<210> 14646
 <211> 330
 <212> DNA
 <213> Glycine max

<210> 14646
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 ghatggatta ggtcttcagc cctaaagctt acaaatctat ttttaagtcca agcccataaa 180
 tgaaaaaata taatttggac aaaataagat aaaattggat gaaatagaat ctgatgaaa 240
 taaaatctag atggaataaa gtctggataa aataaaatct agatggaata taatctggat 300
 aaaataagat tcgataaaat aaagttatta ttatcgctag ttaaacaggt cggcttgtca 360
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<210> 14647
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <240> 14647

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 ttacgggact caatcagaca tcgagtaaa aagtttttgt cgtttgaatt tgcctcagct 180
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 tattaaggga gtaaatcgaa catatgagta gaaacatgt gtgctttgaa ttgcttcaga 360

gcttcgggtat tcccatttga gcgttcggat atattacaag actcaatcag acatccgagt 420
 aaaaagtgtt ggctgttga 439

<211> 14648

<211> 14648

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 taggatatgc tacttggctga agattgctga cccaacagga gaagctgtca agaaaagggg 180
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 accactgtca gaagcagaga atagcaggg gccttgtgtca aaagcagata acaagaatcc 300
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<210> 14649

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14649

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<210> 14650

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14650

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<213> 14651

<211> 323

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14651

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aattctctatg tgccttggttc tctcatgaaa gactggattt gaagcaatat ggagagtggc 180
tgggttatca caatataact tcatctgccc aatttcacag aatctcaatt ctccaagtag 240
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<213> 14652

<211> 456

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14652

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14653
 415
 DNA
 Glycine max

<210> 14653
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 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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 <213> Glycine max
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<110> 14655
 <111> 359
 <112> DNA
 <113> Glycine max

<23> unsure at all n locations
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14655 14655 14655 14655 14655 14655 14655 14655

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 <40> 14656

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 ccgcgaatca gacatccgtg tgaatagtta tgaccattcg aatttcctoga gtgcttccat 360
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 <111> 483
 <112> DNA
 <113> Glycine max

<23> unsure at all n locations
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<210> 14658
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 14658
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<210> 14659
 <211> 292
 <212> DNA
 <213> Glycine max

<400> 14659
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gtggacggaa ggggtattctt atgatatatg caccactgct ctcccccaagg ttatcatcat 240
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<210> 14660

<211> 439

<212> DNA

<213> unsure at all n locations

<410> 14661

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<210> 14661

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14661

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439

<210> 14662

<211> 473

<212> DNA

<213> Glycine max

<214> Glycine max

<215> Glycine max

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<210> 14663

<211> 435

<212> DNA

<213> Glycine max

<400> 14663

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tgagtgggtt aacctatat gctacactcg ttgtctacct actattattg gttacctgtg 240
atgacagtta attcaaaatg taatttataa tattaatatc ttatttttga tttttttaat 300
ttgtgggtgg ttgaataact ttgtgcattt gtcaagtgat taagattctt tgtgttaaaa 360
ggtattatcg atcaacttct ttatttttaa ctacaaagtt ttacatggac tgtttataga 420
aaatatttgt tatgt 435

<210> 14664

ctagaatttg tccctaggat caccaatgat ctacgaactnt gpatgatgtt tccctggcaa 130
 acgtctagtt ggttctctga cttcttcaag ttgatctgcc actagtgagt tggacgcaag 240
 cctatcttta ctggacatag tagcaaatc gacgatattt tcaattttca tttctgcaaa 300
 ggaattatcc aatttgaca ttgagtggc aggtttatg tcaattatc ttacatgaat 360
 ...
 ...

<210> 14667
 <211> 395
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14667

agctntatct aatgggaatc tggcnaatc tgtctatgag aatgaatcga tggcccttgt 60
 gctttgtatt cagcaactgga gacattattt attgggcaga gaattttattg tgcacacaga 120
 tcaataaaagc ttgaagcatt ctttacaaca gagagtttca tctccagatc agcagtgttg 180
 gttggccaaa ctgctangct atcaatttga agttaagtac aagcctgaat tagagaatag 240
 agccgatgat gctatgtcca gatgtcatgg ttaggtagaa atgaattcta ttattttttt 300
 tcccttgtgg gctgatagac agaaactttt ggatgaaata actaatgaac cgtacattta 360
 aagttactg agagaagtgt aggagtctcc taatg 395

<210> 14668
 <211> 405
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14668

gggataatcc tccatttggc ttgatgaaa gcccctatgga tcaatgcata taacataagg 60
 tcaagtaggag taaaatattt tcccttgttt tatatgtaga tgatatnta cttgcaaccca 120
 atgatcatgg ttgtttacat gaggtgaaac aatttctctc taagaattnt gacataaagg 180
 atacgggtga cgcattctat gttactgaca ttaagattaa tagagataga cctcgaggta 240
 ttttaggtct atcacaggaa acttatatta acaaaaattt agaaagattt cggatgaaaag 300

aatgtcagca agtgtcgcctc ccattatgaa nggtgatasa ttttaatttga accaattccc 360
 acagaatgac tttgtgagga aacatatgga aaacattcat tatgc 405

<210> 14669

<211> 317

<212> DNA

<213> Glycine max

<214> unsure at all n locations

<215> 14669

gagaggggaa agtaaaatta attaaatttg gcatggcgag taatgtagat ccgggatgtt 60
 gagaggtcca agcaccbaaaa acccttctgtc atactgctat atccaagaaa gatacatgga 120
 atactccgtg gtgataattt atgaggagca taatctcgca aaccaggata aacccgacaa 180
 ccaaatgggt gaaagtgagc ataatttggg gaaacatcat gtaagagctc aaaaggagat 240
 atacctnta accaaggagc aggtaaccca tttataatat aaaccaacaa acaaaaagca 300
 ccgagccaat acgtagt 317

<210> 14670

<211> 330

<212> DNA

<213> Glycine max

<214> 14670

agcttgaatc ggacatccgt gtgaaaagtt atgactcatt taatttcaag agagcttgcg 60
 ttgttcaatt tcgagtgtca ctatatgtga tgcgcataaa ttggacattc gagttaaatg 120
 ttatgacctt ttgaattact caagagcttc cgttgttcaa ttctgagcgt ctogatatgt 180
 gaattgtctg aatcggacat ccgtgtgaaa agttatgacc atttgtatct ctcaagagct 240
 tccgatgttc aatttccagc ctctcgacat attatgcgcc cgaatcggac atccgtgtga 300
 aaaatatgac catttgattt ctcaagagct 330

<210> 14671

<211> 410

<212> DNA

<213> Glycine max

<214> unsure at all n locations

<215> 14671

naagttttta tcattgnggt aagtgaaaag gatgattcct aataagcaag aacgttcagt 60
 cattccagcc tcccaggtga atggcacata gaagttggcc atagtaaag ggtaacaggg 120
 aaaatgtgac attgatcact aaatgggtag tcaactaatg catatgacaa aaagatacat 180
 atgtgaatgg ctaaaatgc agccatgaa atgcagttcc ctatcaagca caaaactcca 240

 anaattggac cagatataaa agcatatat atggcaacag agacatagat 420

<210> 14672
 <211> 255
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14672

ctatccctt gtacatacaa ccaatcaatg agattggtct gtaatcatca aatgactgag 60
 ggtgtattac ttgggaatt agagccagaa aggaagcatt actacctcta nggaagctgc 120
 catgcacatg gaactcatcc acaaatcttc tgaagtcagg ttccaccact cccagaatt 180
 cttaataaaa actgaaatta agaccatcac gccaggaca ttgtcncac cacagcttgc 240
 ttgatctcat gatct 255

<210> 14673
 <211> 381
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 14673

anngetttta ctgaattgca acgttccaat tgttttttaa atgggtgtaat caattacaat 60
 atattggtaa tcgattacca gtgtatctga acattgaact tcaaatccaa ttgtgaagag 120
 tcacatcttt tcataaaatg ctttgtgtaa tcgattacat nggtttggta atcgattacc 180
 agtgacaaaag ttgaataaaa aatcatgaga tgaactctt ccaatgggtt tcaagttttt 240
 ctcgaggtta taactcttcc aatggttttc ttgaccagac atgaagagtc taaaaagca 300
 agaccttgac ttgcattcca ataactcttc aacaattctt tagaacaact ttgagaaaac 360

ctttgctact tatttctctt c

381

<210> 14674
<211> 403
<212> DNA
<213> Glycine max

ttttaggtt aaattatatt aaattttat aattttaa aaagttatatt agtcttaccaa 60
gagggtatcat gattgcaatcc tccctaggaa gggaccaatc actagaacca tgagcaagag 120
gttctaaagaa gattggggcta gagctgctga agaagggcct anggttctca tgaaccttag 180
gttagatttc tgagcccaag ggccaagggt gggctcaatt atctttgtac atattagaact 240
angatgcat tatatttggc ccttgatat agggctccat attgtaggta gggtaacctt 300
gaaatatagg atttttcagc ccttgatatt ttgggcaact agaactagtt tcatattagg 360
ggtagttttg taatttcaca tgcactaagt ggatattnga tat 403

<210> 14675
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14675

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tgagtactca agatgcatat ataggatgaa gtttggtggg tggattactt agcttttgtg 120
ctgaataatt aattaagttc atgttaaaca agtggcctca ataatctaaa aagggagggt 180
gaattaagtt taaaaaattt ctcttaacaa catitttaatt ctctctttta atgattatg 240
cagaactaat atgcagaana gaagtaacga acaatttact tgatgcttct ttaaatatgc 300
aaagtaaaat taaactgcaa taaattaaaa gagnttatgg aagagagagt tgcacactca 360
gtttatatt ggtttgacca cgttctatgc ctacatccag t 401

<210> 14676
<211> 440
<212> DNA
<213> Glycine max

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<323>      ensure at all n locations
<400>      14676
```

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tcaccogac gaatacaactg acaaaaaactt atctttctctt tnttygacaa agtatggcaa	120
ctctctctc cctgctctc cctctctctc cctctctctc cctctctctc cctctctctc	180
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ctctctctc cctctctctc cctctctctc cctctctctc cctctctctc cctctctctc	300
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ctctctctc cctctctctc cctctctctc cctctctctc cctctctctc cctctctctc	420
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>S10> 14677
>S11> 418
>S12> DNA
>S13> Glycine max

```

<223> unsure at all n locations
<400> 14677

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gagccccatg	aatgtcattg	cctagcgcgt	ttcatgtgtc	ctccaccttc	gagtttggag	120
ctatatttca	tgattgccta	agtggggacc	ctcaaggcca	atctctcatt	ctcccccttt	180
cttggagccc	catgaatggt	atttccctagc	ggtgttcatt	tgctctccac	cttcgagttt	240
ggagctatat	ttcatgattg	cctaagtgcy	gacctcaag	gcaatactcc	attctcacac	300
cttttccggag	cccatgaat	gtcattgcct	agcgcgttcc	atgtgtctcc	caccttcgag	360
tttggagcta	tgcttcacga	ttgcctaagt	ggggaccttc	aaggcaatcc	tcattctc	418

Q210>	14678
Q211>	461
Q212>	DNA
Q213>	Glycine max

```

:223>      unsure at all n locations
:400>      14678

```

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taunaatagt gatattttaca attgaataaa gcaaaaaaac atctctttggg accatttcaat 120

gaacaaaactt aagtaaaattg aaaactttca cattgtttga taaaaataaa atttaaatgat	180
gaactcacaa tttattgnta atataaaattt taaaattatt attataaaaa ttaataaatt	240
tattatacat aaagaattat aattagatga taatataaaa ttttgtataa tgttaatatata	300
gaattttttt tttttttttt attttttttt tttttttttt tttttttttt tttttttttt	
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt	
gtttaaataa tattataatt agattatggt ataagaataa t	4

acaaaaagagc	tatattgata	aagtacttga	tagattcagc	atgaaagata	gcaaaaccaag	60
ggataccocca	atagctaaag	gagacaaatt	cagtctttaa	caatgcccca	ataatgacct	120
tyaaagaact	aagatgcata	agattcccta	tgcgtcatca	gtagaaagtc	tgatgtatgc	180
tcaagtttgt	acttgcccg	acataccatt	tgtcgtaaga	gttatgggca	gatacttgag	240
taattctaga	ttgcacattg	gaaggcaaga	tatgcgtaat	gcgtacttga	agagaaaaaa	300
gtacatgct	cactatcaga	agtctgaaaa	ttgga			335

agctttttaaa	cintatataaa	gaatgaaget	ctgataccac	tigttagaca	agtgyectca	60
gatattcttaa	gaagggggggg	ttgaattaag	atattccaaa	ctgtttcccc	taattaaaaa	120
tctatcttcac	tttttactca	agttatgaat	tcccttaatg	acaatcttct	taaatattaa	180
ttcaaatgaa	acaatttgaa	tatgaatata	aagcaataat	aaataaagga	gattaaggga	240
agagaaaatg	caaactcagt	tttatactgg	ttgggcacac	cccttgtgpc	tatgtccagt	300
ccccaaagaa	cccccctagag	aattccacta	tctttgtaaat	tcctttttaca	agttctaaac	360

acacaaggac aatccttccct ttgtgttttag agatccttta caacaagaga ctacacgtct 420
 cttactccct tagagaaatga gaagaagaag aagaac 456

<210> 14681
 <211> 199

tactcaatat tgcacatctg aaggcatcat tcatgagttc ttgcagaca ttacaccaca
 acaaaatggc atagttgaaa ggaaaaacag gatttttgca gaggttgcta gggtcattgt 120
 tcatccaaa gaatttccct ataattctctg gggtgagcc atgaacacag catgtacat 180
 ccacacaga gtacacatt 199

<210> 14682
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14682

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 atatatogag acgtctgaaa ttgaatgtta aacctatgag ccaattcaaa cgacgatgac 120
 tcttlaactc gatgtccgat tgagtcocgt gatatttcga gacgtctgaa attgaatgtt 180
 gaagctctga gccattctc acgacaataa tcatttacta ggatgtttga atgagtcocg 240
 taatatatct tgacgtctga agatgaatgt ttaagctctg agccaattca aacgacatta 300
 acttttact cggatgtctg attaaggccc ataatatatt gagacgtctc aaatngaattg 360
 ttgaagctct gagccaattc aaacgacatt aactttttac tcggatgatt gattgagtac 420
 cggaatataa cgagactc 438

<210> 14683
 <211> 231
 <212> DNA
 <213> Glycine max

<400> 14683

aactttatgg ccttaaacaa gcaccgagag ctgtctacaa caaaatagag gctatttca 60

ttcaaaatgg atttggtaga tgcctttgtg aacatacatt gtttacaaaa tcacaagagg 110
 gagggaacaa ttttaattgta agtctctatg togatgactt actatatact ggaaaagatg 180
 gaagtatgng tgatgagttt agaagatcca tgatgacaaa cattgatatg to 212

Glycine max

<223> unsure at all n locations
 <400> 14684

agentttgaa cettgaattg aaatgactgc tcatataaag gcttgattaa acttccatct 40
 tccaacgagg acagtaacac cctaggagga caaccaaggg aatcatgaat atcaacaaaa 110
 ttccgatat gatgatcaag gaccacaatg tgcctccctt tgetgtgogt aagtctgaca 180
 gggactgaa gtggttgact tccatcaaca aaaagcttgg aacaatacaa attggaactcc 240
 agaggaccat ctaagggtccc agtaaaatat attagacctg tagcttcatt cacacgggca 310
 atttgctcaa ccatccattc accttcagtg atgggtccca aacaagtccc atttgcatea 360
 tgaagataaa gatgtctaaa tcttggtttc tcaactagccc agataaatcc aaccgaa 417

<210> 14685
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14685

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 ttctgttgat tgattgcgtt tgaaatgggt ctcttgaga ttctctcatg tttttttttt 120
 atgttttttt ggatttcatt atatgtgtca tgaacttgc ttaatgttct ttatctattt 180
 atttatagat tcattttttt ttcttaaaat gtcaatttta tagacatttt gtaggagatt 240
 ctgtaattaa gagctctttg aatgaaagta catatgggta attcactatg ctgagtttga 300
 tttttaagca tgettagata ccttccatgg agtcacatat taatggagtt ggttccctat 360
 cagaggtgtg tatctagctt aattgggttg tggagaagta aggagtggtt atctagctga 420
 atagactggc acaagaactt ctt 443

<210> 14686
 <211> 430
 <212> DNA
 <213> Glycine max

<214> 1000 bp, 1000 bp, 1000 bp, 1000 bp

<215> 1000 bp, 1000 bp, 1000 bp, 1000 bp, 1000 bp, 1000 bp

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 ttgttctcta ttgttttctt aacctctctt tgcactttt ttacaaactc tgacctagat 180
 tcccttttctt ttgttataaa agaagtgttc agtgggaggy gaatgaggtc taacggtggt 240
 aggggattga aacctagac aacctcaaaa ggggactact tgggtggttct atgaaccccc 300
 ctgtgttagg caaattctac atgaggaaga tactcatttc aagacttatg gttgcctttc 360
 agaagaatcc ttaaaagggt ggataaagac ctattcacta cctctgtttg cccatnagtt 420
 ttgtgatgac 430

<210> 14637
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 14637

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 agcgtctcgt tatattacag gactcaatca gacatccgag taaaaagtta ttgtttcttg 120
 aattggctca gaaggccaac attcaatttt gagcgtctcg atatattacg ggactcaatc 180
 agacatccga gtaaaaagtt attgtcgttt gaattggctc aaagcttcaa cattcatatt 240
 cgaagctctc aatatattac gggactcaat cagaacatcg agtaaaaagt tattgtcgtt 300
 gaattggctc aaaagttcaa cattc 325

<210> 14688
 <211> 450
 <212> DNA
 <213> Glycine max

<220> unsure at all n locations
 <400> 14688

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aaaagatttt tgaaagtttg gcaacgcaag tatggggaca ttagttagct ttgcttaag 300
aacattgaaa gcttcttctt gttctctctc ccatttgaaa ccaacatttt tcttgagcac 360

14691

<210> 14691
<211> 466
<212> DNA
<213> Glycine max

<400> 14691

ttagtgccac ctagcatgat gcaagctgac accaagtaat ttctttcttg ttttatgtcc 60
aaagtatatt taagttggca taagaatata ccacttggat tcttggcaac ttctacacca 120
agaaaatact ccagggtccc caaatctctc atgtgaaagc acttgcctgag acatacttta 180
aatttttggg ttgtagtggg gtcattccca cacacgatca aatcattcac atacacccaa 240
actaccagtt gcactccatg attaagaaga gtaaagagcg agtgggcaga ggatgattgt 300
tgaaacccaa aattcgtgaa ggcaaatgat agtttggcaa accaacatcg aggggcttgc 360
ttcaagccat acaatgattt ggcgaacttg caaactaatc ctggttgaga tgtgcgaaag 420
cttggggggc acttcatgta aacatcttca tgaagatcac catgga 466

<210> 14692
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14692

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gagatgatga aaaaagtctg gatgcttcta agcattgtgg tacatctaga tggaaaacca 120
acaagaagaa gaaaatagct gcaaaagttt tacgttaact tccatcgaaa ccaagattgc 180
aaagattggt cacatgttgt aagaatgcaa aagatatgag atggcatggt ttggaagaca 240
ataaagatgg gttgttaagg cactcaagag atggagaggg atggaagaca ttgattttaa 300
tccatcttga gtttcttcca gatcttcgaa atgttcgctt aggccttctt actgatgggt 360

ttaatectgc taggaccttg agttctacct atagcatctg gccagtttcc ttaattccat 420
 ataattcttcc accttgata tgtatg 446

<210> 14693
 <211> 11
 <212> DNA

<223> unsure at all n locations
 <400> 14694

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 aaactaagac ttgagtgcga caaaaaaagg acaaaaaaagg ataaagggtt actgggtttt 120
 ttttataaaa tactattata attataatto tgagtgggtt tttattattt tatatataaa 180
 aaagnogaat tgcatttggc tatactacta tttagtaagg ttttacaaga aaaggaaggg 240
 ggaggggggaa ttttcatttt aataaacatt tgatatatga ttatataaaa aaatacaatt 300
 gttattttta taaaaattta atgctctata ttttggttta tatatatcat ataatectat 360
 gactctataa acaaatatat aaaatatgct tcattccttt cctttataag aacataactt 420
 ctaaaatatat cttttttatt ta 442

<210> 14694
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14694

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 tcttaaatat tctgaatttg tttattagtt agaaataact caatttgaac aaaatgaaca 120
 ttgtctcttg aatttatatga aggtctctgc tgggaatctt tctgagttct tgattttatg 180
 cggcataaat aaaaactaat atgatgtgct ttacggggca gggaaaaaaa ggaaaagtgt 240
 ttaaatataa attactttat tttctaaaat ttaaatatag tgattatata atctttttat 300
 attgttatct aatcatagat ttattaaaat atgtccaatt tctctctctt atattatrat 360
 tttgtgatac tttcattcta atatatcttt ttctgtctct aattttctat cccctctctt 420
 attcttcttt tctttatct 439

<210> 14695
 <211> 263
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14695

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 gacaaagtto ccatcacacg acatctggct ggtcggatcc gccacccgto gacaaaacct 180
 ctctccctto gtgaaccact gcccgtagat cttcacgtcc agcaccacca ccggcacccg 240
 gaacacccac cacagaacca agt 263

<210> 14696
 <211> 271
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14696

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 ttttaagcaca agaagagaat ttggaatggc acatagtatc tntggccaga ctcgtagtac 120
 cttgggtgta atctatagaa ataaaacaac ataagtcagg ggatacacia cttaaccttt 180
 acaangttat tgataatcac aataaaatta catgatatat ttaagagtat tactacctta 240
 gcaaaagtgt tttaaactacc aatgtaaagc c 271

<210> 14697
 <211> 256
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14697

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 tacaactccc accaatgtga gagaagcagg gtgagattag tgcaaatgtt cacaagcttg 120
 accacggngg ataatgtctc atgaaaatcg aaaccatgga cttgatggaa accttagct 180
 aacaaccttg ctttgaacct tgtgataaag ccatcaaat tttcttagac ttgaaaaaca 240

cacttacatc taatag

256

<210> 14698

<211> 342

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14698

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atcaatatt tontgtcatg atgcgcgcgc gttgggttgc abcaaccaag cggatatgac 180
tgaaggatt ctggccatat cattggcttt ngaaagcgc atcctacatt accttattgt 240
tcaatatttg ctccctagat ctccagatct tgcacaggtt tctgaagaag atctcattgt 300
catgtgggdc tctcataaac gttacaaatt gattgggcac ac 342

<210> 14699

<211> 349

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14699

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ctgattccta ctgggtgca gaacagtttg agagtctgca ttgactatag gaggetgaac 180
caggttacca aaaaggacca ttttccctg ccattcattg accagatgct tgaacgcctg 240
gcaggtaaat cccactactg tttccttgat ggtttttctg gatatatgca aattactatt 300
gttcttgagg atcaggaaaa gaccacattc acctgcccct tcgacactt 349

<210> 14700

<211> 305

<212> DNA

<213> Glycine max

<400> 14700

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aagatgttat atggcgttga tatgcaccat tactgtgggtt cttctcttga cgcggytaaga 120
 acggggcaat ttcaactgct aaactcttca tagaatccac aacatcctgg atgggytaatt 180
 caccgagcct ttcaaccag atttccagcgg tggcatatat tggaggacca tacattctta 240

<210> 14701
 <211> 336
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14701

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 catgcagcaa cctggagcaa ttgaacagcc tgaagcttat gctgtaaata tttacaatag 180
 acctctcaa cctcagcagc aaaattaacc acagcagAAC aattatgacc ttctcagcaa 240
 cagatacaac cctggatgga ggaatcacc taatcttaga tggctcagcc cttagcaaca 300
 acaacagcag cctgctcctt ccttcaaaaa tctgtctggc ccaagcagac catacattcc 360
 tccaccaatc caacaacaac aacaac 386

<210> 14702
 <211> 272
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14702

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 atgttactag ttageccaat tttttttaa ccacatgtat tctttactag aaacaaaata 180
 aaaggttaag acatattgga attgacataa cataaagata cttacttctt gtacaaaatt 240
 ggtacaatgc cagctttgta cttggctatt gt 272

<210> 14703
 <211> 275
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

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 agaccaatga agttcttctt cagccaagac ttgttcatat totatccaag tcttcttata 240
 ttatgaaget gactacaaat cagacatgcc actac 275

<210> 14704
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14704

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 aaccaggagc tctttttccc catgttcccg cctctgagtg ttccttcaag tactttttca 120
 gcatatcaga tgaaacctga agaatacaat taatataaga agattaataa gatgtacact 180
 ataaacaatt cttctactct tctactatat ataagttagt atgttaatta cttacttgat 240
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 cgtcatangc tctccacca gcaaaatagg gggag 335

<210> 14705
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14705

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 aaggatacga cggcgtngct cccaccocag aagcttctcc gaattatcga anaccactt 180

gttgagagctc ccgttgggga tgaatcata aaccaacata agctcgtccc cttctctgac 240
 caccctctca ttggaaccaa gttcttctgc tgaagctccc ccctgcttga aatctcggcc 300
 atgaattccc ggaacccctg cttcgaatcg tggctcagc ac 342

<210> 14706

<211> Glycine max

<400> 14706

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 atcagacatc ccagtaaaaa gttattgtcg ttggaatggc ctcagagctc caacattcaa 180
 ttccagagctc ctcgatatat gacaggagctc aatcacacat ccgagaaaaac aatattggcg 240
 ttggaatctg ctcagagggc caacattcaa ttttgagctc ctcgttatat taacggagctc 300
 aatgagacat ccagtaaaaa agatattgtc gcttgaattg gctcagagct tcaacattca 360
 tcttcagagc ctcgatata tgacgggagc caatcagaca tccagtaaaa aagttatt 418

<210> 14707

<211> 376

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14707

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 gaagctctga gccaattcaa acgacaataa ctttctactc ggatgtctga ttgaggcccg 180
 taatatatcg agacgctga aatgaatgtt ggaagctctg agccaattca aacgacaata 240
 acttttactc cggatgtctg aatgacgccc gtaatatatc gagacgctcg aatngaatg 300
 tngaagctct gagccaattc aaacgacaat aactctctac tcggatgtct gattgagccc 360
 cgtaatatat ccgagac 376

<210> 14708

<211> 476

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14708

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tagataaaaa aatatataat gttatatattg taaaatatga ccaacatatn taaaaaaaaa 360
atagcaaggtt taatttttca naanagtatc taatagatga acaatcacta aaaaattgaa 420
gaacattgtc tcaattcgat ataaaataat tatataagaa ttaatatatt tatatt 476

<212> 14709
<213> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14709

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aagagttgag tctaagactt caaagagaga aagactgtgt catcaagaga atcatgagtg 180
aaccatggca gagaatttga aaacagcagg ttcactgaat tctgcacatc tgaaggcatc 240
actcatgagt tctctgcagc cattacacca caacagaatg ggatagttga gagggaaaaa 300

<212> 14710
<213> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14710

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agagatgacc cagaattcac atgggaggtg gtcaagcctc taaagtggga ataattgcat 120

gaataaagct gattgccaaag aaactatgtg tgatcttata tgccttccata cctaagatcc 180

gngatatgat ttgccttagc ttttgtatct ttataaataa ataaaaacata tatatgtoga 240

gttgagtata tgaacataca aaggaagctg catagcagca tcaatgtaet attggaagtt 300

atctttaa atctttaa atctttaa atctttaa atctttaa atctttaa atctttaa atctttaa

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<210> 14711

<211> 364

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14711

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ggccctaggg ttctcatgag ccttagggta gaatttetaag cacatgggccc aaggttgggt 180

ccaatttata ttgtacatat tagactagga tgcattata tttggctcct gtatataggg 240

ctccatattg taggtagggt atcctagaaa tataggatat ctcagccccc gtattttacg 300

gcacctagac taggtttcgt attatgggta gtnttgtaat tccatgcac taagcggata 360

tttg 364

<210> 14712

<211> 416

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14712

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aaattctaga tgatgcgctc catgagaggt tggatcaaat ggagaataga gatcataatg 120

aagaagaaaag gaggagaaga gggatgatg gtgttcttag acaaaaaccga attgatggta 180

ttaaactcaa ctttctctcc tttaaaagaa agaatgated ggaggccctac ttgcagtggg 240

agatgaaaat agagcatggg ttctcatgca acaactatga ggaggaccaa aaggtgaagc 300

tggctgccac ggagtcttcc gactatgctc ttgtgtgggt gaacaagcta caaaagagaa 360

gagcaagaaa tgaagagcca atggttgata catggacgga gatgaaaaag atcatg 416

<210> 14713
<211> 394
<212> DNA
<213> Glycine max

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ccatttgaa ggtacattga ttgatgattg gaagtttgat tttctgtgc atgatgcccg 180
cgggttggtt tgcaccaacc aagcggatat gacgggaatg cttcttgccc gctcattggc 240
cttngaaagc tgcatacttc attatgtaat tgttcgcac tcgtcttcaa gatcttcaaa 300
ccttgcaacg gttcttgaag aagatcttat tgttatgtgg gcttatcata aacgcctaca 360
aattgagtgg cacatcttgc agatctcgat gcac 394

<210> 14714
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14714

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ccactgcaaa acatcatctc aggtagcaaa catcttgatg caatctccc taggaaggga 180
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agggcctang gttctcatga acattanggt agatttctaa gcccatgggc caagggtggg 300
tccaattatc tntgtacata ttagactang atgtcattat atntggctct tgtatttagg 360
gctccataat 370

<210> 14715
<211> 455
<212> DNA
<213> Glycine max

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<210> 14720
 <211> 463
 <212> DNA
 <213> Glycine max

<400> 14720
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 tgatgtagct ccatgtggag cttgttaggc ttgaatcttc ttcataata gactcctttg 180
 cttcttgaag gtcaatggca gcggaatgga gacggaaaaa gaccattgga gatgccactt 240
 caagaaaata tgagtacaa caagctcccc ccaataagaag ctatgataca 280

<210> 14721
 <211> 463
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14721

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 gaagattgag gacagtatta aattcataaa ttctagacct aaacctcttg ccttttatgt 180
 ttccaccana aaccaaacac tgcagagaag aatgatctct ganacatcat ctggcagtgt 240
 gactatcaac gacgcaattc tacaagtaat accaatccc tatcaagcat taatattcca 300
 ctcttaattct aatctttttg catattttat ttattaattc ctcagactta gtgcataata 360
 ttgtgtttaa atntgtgcag tatgcagtty atactgttcc atttggagga agtggggaaa 420
 gtgggttttg catgtacctt gggaaattct cctttgacac att 463

<210> 14722
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<430> 14722

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gaggatctc caacacactt tccacattct gcattctggt ggcattgatt ttcagaagc 120
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tcaattcaat ttaattccat gttcttcatt gttctctcct tgaattcct ccaattgctt 180
gttggttggg gtattttana gtgatttcaa aaaaataaac ctattaaac ttaattctgc 240
acttgntctt gcatttctat gggtaaaaat tcatagatct actcttgaat catgttttgc 300
tggttgattt aggttctatc atctttcagt cataattctc 360

<210> 14723
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14723

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ctatgaatga caaatctctt gggataaagg tagtggtgct atgttttcaa agcccgctact 180
aaggcataca actccttctc ataagttgaa tagttaaggg taggaccact taacttttca 240
ctaaaataag caattggatg gtcttcttgc aacaacacag ccccaatccc gacatttgaa 300
gcacacact t 311

<210> 14724
<211> 347
<212> DNA
<213> Glycine max

<400> 14724

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cttgttctat tgtgcagcaa tctggagctc atgagcaacc tgaagcttat gctgcaaaca 120
tttataatag acccctcag cagcctaac aacaacagca gaataattat gatctttcaa 180

gcaacacata caatccagct tggagaaatc atccaaatct gagatggaca agtccctccac 240
aacaacaaca gcatgttctt tcttttcaga atgctatttg tccaagcaag ctgtatgttc 300
ctctccaat acaacaacaa cagtcacaa aaagacaaca agcaact 347

<400> 14725

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tgccgaattt caggaagget ttgagcatt tctgcataga tgcgggtggg aagtcagttg 300
tcgacgcac atagaggaaagt ctccagctgc agaagaaaga cggcctccag gatggcacta 360
tacagatttg gcaatacttc atctctctct g 391

<210> 14726

<211> 396

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14726

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aactcagatg tcttattgat cctgttaata tctcgagaca ctcgaaattg aaaacggaag 180
gtctaagaaa agtcaaacga caataacttt taactcggat gtctgattga gtcccgtaat 240
atctcgagac gctcgttaatt gaaaactgaa gctctgagca aattcaaacg acaataactt 300
ttgaatcgga tgttcgattg tgtctcatag aatctcgaga cactcgtaat tgaaaacgga 360
agttctgaga taaatcanac gacaataagt tttaac 396

<210> 14727

<211> 375

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14727
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 ataaatggag aaagtggatt tcagcttgct ttcactcagc aacaatttgc atccttatta 120
 atggcagccc tacaagggga gttacccctt ctagaggctt gagacaaggg gaccccttag 180
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 agtatgcaga tgatactgtt ttngtgggtg aggcttcatg ggacaatgct ttggtgttga 360
 aggcctatgct aagaggctat gagctggtct cgggcttgaa gaataactat gctaagaagt 420
 caattgggtg tata 434

<210> 14728
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14728
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 caattgggtg tata 434

<210> 14729
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14729

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 ctctttctac ccgaagaca cacttttcag ggtccaact catgttatac ttctgagct 180
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<210> 14730
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14730

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 accatgaactt tatntgcac atgatttccct atcgaaccaa aagattacac gcgcgatcac 180
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<210> 14731
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14731

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[illegible]

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atacagacct	ttgcctttat	gtgtaygaat	ctggagcaat	tgaacagttt	gaagcatatg	120
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tatattacgg gactcaaccg gacatccctg tataaaagata ttctcatttc aattttctca	360

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gt 432

<310> 14734

<311> 479

<312> DNA

<313> Glycine max

<323> unsure at all n locations

<400> 14734

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ttattaatta aagttaaaaa tatcaattta agttatttaa ttaaaggacc acagctaggc 180
gtgattttta aaagaaaaaa aatgtataga tgttttaggt catgtattta tatattagca 240
tttgtgtaat cttttttaag taaaaaata atctttacaa aaataaatat ttttgtagtt 300
aaattgtcaa ttcataatta aggacaatat aattgaaaaa ttatatacct aaaatcaatt 360
taaaaaatgt atgaattatt ccgacaagaa aatattcaaa atattttcac ttctaaaggt 420
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<310> 14735

<311> 479

<312> DNA

<313> Glycine max

<323> unsure at all n locations

<400> 14735

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agaagccata gtagatgata actggatcat tggcatgcaa gaagaactaa accaatttga 180
aagaadaaat gtgtnggaaa tagtagaaaa acctgaaaat tatcttggtt tagggacaaa 240
atgggttttt agaaataaat tagatgaaca tgggtataatt attagaaata aagccaggtt 300
agcagcaaaa ggggtataatc aagaagaagg aatagactat gaagaaacat atgctctctgt 360
tgcaagatta gaagccatta gaatggcttt ggcataatgc tccataatgg attntaaact 420
ntatcaaatg gatgttaaga gtgcctttct aaatggctta attcaagaag aggrtatatg 489

<210> 14736
 <211> 492
 <212> DNA
 <213> Glycine max

<223> *Glycine max* (var. *holosericea*)
 (var. *holosericea*)

Sequence of the 5' end of the cDNA for the *Glycine max* (var. *holosericea*)

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gctagagggt tagagtattt gcctagtaaa atgaaacctc ttatcatata tgaagacctg 180
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gaaaaagtag gatcaagtggt tttgtgaaat agaaaaggata acataactaac atgggagcaa 300
tttaggataa cacatgttgt tctaccaatt ctgcggagaa aataatggaa tttttttttg 360
ctcatctaaa gtaagttgta tatatataaa tgagtaccag aggtactgta gatacataat 420
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<210> 14737
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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attagtgggtg ctatgaacaa ctctattgta agcaaatcca acatgggggt aacaagcttc 180
ccaagctttt aagttcttcc tcaaaaacttt cctaagcaaa gttcccaaaag tcttattaac 240
aaccttcggt tgcctatcgg tttgtgggtg acaagtgggt gaaaataaca atttagtgcc 300
taacttgcct ctcanagtcg tccaaaaatg gcttaggaac ttagagtcct taccactaac 360
aatgctccct ggcnaacctg gagtctcaca atctcttgaa aacaaatcgt cacatgggaa 420
catcataact ttttcatgga taaatgacca ttt 483
  
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<210> 14738

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 agtgcgaagtt attagatcag gcttaagacc cttataacac atctcttcca agagctctac 300
 agcaggttcg gcttttccca cctctaagag ccacttaatt attata 346

<43> 14741

acttgatag gcttcaatga tagacacgaa catgtataaa attttatgto ttacatgttt 60
 ttctattat tctacctttaa actggcctag gcttgaattt aattctcttt tggacaccca 120
 tgtctatttt gaaaatatat attcattcgt taaaagtgtc ttctgtctga aaaaattatg 180
 tcttatatag ttttcttcca aacaataact ttgttttctt cataaaagtc togagagatt 240
 tctaaacata taattcaatc cttctgtgta tcttcgcttg tacagggttg aagcaacaca 300
 taacacagtt atattaaaca tattatgaat acaaactctat aatatactat agtcctcaca 360
 atatgaaaat cctctaatta tgaatacaaa tgtatactat attatagtaa tcacaataac 420

<310> 14742

<311> 316

<312> DNA

<313> Glycine max

<323> unsure at all n locations

<400> 14742

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 taaggaccca ggtactctct gtataccttg cattattggg aacagtaaas ttgagaatgc 120
 catgctagat ctaggagcat cagttagtgt catgcctctg gtcattttca attcttaato 180
 tcttgacctt tacaatctac agatgtgggt attcatttgg canatagaag tgttgcttac 240
 cccacaggtt tcatagagga tgtgntggtt caggttgggt aacttatntt tcttggttga 300
 ttttatgttc ttaata 316

<310> 14743

<311> 426

<312> DNA

<313> Glycine max

<400> 14743

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tctttagaaa cgaactgtgt aatcgattac aacaattatg taatcaatta ccagtaagga 120
cttggtgtgta atcgattacc agacatgaaa attcaaattt caaatctgaa gagtcacaac 180
cttggtgtgta atcgattacc agacatgaaa attcaaattt caaatctgaa gagtcacaac 240
cttggtgtgta atcgattacc agacatgaaa attcaaattt caaatctgaa gagtcacaac 300
aaacaacttgc aaatttaata aggaatcttg agtgatcttc aattgtaata tttttctctt 360
atagagagaa tttttctctt tttttctctt caaagagatt gattaaggga tegagagtct 420
cttggt 426

<410> 14744

<411> 401

<412> DNA

<413> Glycine max

<423> unsure at all n locations

<400> 14744

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agacctang aatngacatg taccactagt actcttctta totattntg atccagcaaa 120
atctgaatca gagtactcta ctaggttgca taaagaattc ttaggatacc ataactctta 180
actaaatgtt cctaataaat atcttataat tctttttact gccattaaat gtgaaaactt 240
tggtctgat tgaaatcttg cacacatgca tacactaaac ataatgtctg gctacttgc 300
agataagtaa agtagagatc caatcatacc tctgtattgc tttggatcaa caggttgacc 360
ggattcatct tctcaagat aacaactcgt attcataggg g 401

<410> 14745

<411> 361

<412> DNA

<413> Glycine max

<400> 14745

ataaactgaa ttatactagc aaaggaatgg taagagatgt taaagttata ttatcaatt 60
atcaagacta agtacattat ctgagatcac acctctcttg ttattcttat agggaaatga 120

tcattttatg gcaacataag taattgaagc cgtaaaaggat acacccctac tgcgaattca 180
gtctggggaaa gacctgaact aaataacttt ccttgccaat gtaggtcacc gccataccta 240
gtcaaggggga acaagtttag gcaactcatt aaagcctagt taaaggggta gtcctctaag 300

<210> 14746
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14746

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atttaattct atattattaa aaaaataaat attatcatt ttaaaatggt taatttttaa 120
aaataataat tatgatacac tacctaatta agagaggaag natcttaccg ataatagatt 180
aaaaatatat atttgagaat ttatatagaa aaagtattaa tggagcatta acaatgcata 240
attggataga tgaagtgggt atttttaatt tggggactta taattntaca ntaaatgaag 300
tattctacac gaaaatntac tccaatggta aagttggtta aaatgagtga ttaacataat 360
tttccatata ccacaatcat tgaaaaatgt tatttttggt ataaaaattg taagcaatat 420
ggttatataa acaatattat atcac 445

<210> 14747
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14747

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accaacctgt actccctgtg agctaacaac aaaaccaagg aaaactacat ggtccaaaca 120
gaatgcacat ttatccatgt tagcatacaa gctcaaacgc ctaaggggcc ctaaaaagtct 180
cctcaaatgc acaagatggt catcatggaa ttggttgtaa atcaagatat catcaaaaata 240
aaccacaaca aattttccta gaaattcctt taacacatgg ttcattaata tcatgaaagt 300

gctaggagca ttggtcaacc caaaaggcat aaccagccat tcatacagct catatttagt 360
 tntgaaagtt gttttccatt cctcccctc tctaacccta atttgatggt acccaatttt 420
 ata 423

<223> unsure at all n locations
 <400> 14748

gggtctcgat atattacggg actctattag ttattcgagt caaaaghtat tggpatttga 60
 catttcatag agcttccatt ttcaattccg agcgtctoga tatattaaag ggctcaatcg 120
 gacattcgag ttaaaagtta ttgtcggttg atttttctaa gagcttccgt ttccaattcc 180
 gagcgtctcg atatctctat ggacacaatc ggacatccga ttcaaaagat attgtcggtt 240
 gaatttgcct agagattcag ttccaatta cgagcgtctg gatattattac ggcactcaat 300
 cagacatccg aattaaatgt tattgtcatt tgaactcttca tagagctctc cgtttcaatt 360
 cagagcgtct cgatatatca cagggtctca tcggaca 397

<210> 14749
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14749

aaattcatga gatgctagca actggttgtt cccagttgtg atgatgattt tgcgtgcagg 60
 accaaaccaa tcaggtcttc cagcaattgc ttgtaattgc ttgtgtatgt caacatcctc 120
 tagaatcaag agaactttct ttcccatgag cctagactgt atgattgaaa ttccctgttg 180
 cttacttgtt aagttgatgt tcattctctc tagtatttct gaaagaagga ttgtttggag 240
 gtgttctaac cctgttttgt ttgacttttc cctcactttn gcaagaaaac acanacaatc 300
 aaacttctca gcaattatca actatgaagc acggacacgt 340

<210> 14750
 <211> 359
 <212> DNA

<213> Glycine max

<400> 14750

attagcttga g gatgtgatt gaagcaccgg tatgttttta ttggcaaaac ccacccaaaaa 60

attatatt taaatatt taaatatt taaatatt taaatatt taaatatt

aaattttttg attacgaggg tagggatagt gatcacggat attgttcata ctatccaagg 120

aaattttttg attacgaggg tagggatagt gatcacggat attgttcata ctatccaagg 120

aaattttttg attacgaggg tagggatagt gatcacggat attgttcata ctatccaagg 120

aaattttttg attacgaggg tagggatagt gatcacggat attgttcata ctatccaagg 120

<210> 14751

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14751

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tttagctnga acttcacctg taacatcacc aggtttctggg tcaacttaata tttctgcatt 120

gatatgcacc attggcttct tgcctgggac atgcttgctc ttcacccatg tgttcagctt 180

atcaaattgg acatccttac taaaaactat ttgattcgtt cttggattta agagttttgta 240

tgacctatg ggattgtagc caacaaagat catgtgttca ctcttgatc ccaatttgcg 300

ctttgtttga tcaggaatat gtctgtaaca tgttgaaaca aaaactctca tatgcttcac 360

agatggtggt tccctgacc atacagcttc tggtaacttg 399

<210> 14752

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14752

ctaagcttat taatggttcc ttaactnag agggaaatct tctacttacc accgactnng 60

nnnatgcaca aacaggcagc atgggcgtgc tggtaactgc tggggataca aagggcagcc 120

aagtgtctca aactgcagtg tgcgaaaaca agtgggtgtg gcattgaaaat cctgtcttgt 180

caaaagcccta tatattacgg aagcaaacagt ttgctagtta gggataaggg atgggttggt 240
 tggggagaga acatggaagt gagacacaca tgcctaaatg gtctgacag ctacaactat 300
 ggagcttata gatggactgt tcaacttggc acaaacgata atcgattgga aaagataact 360
 ctatgactt ggaactt ggaactt

<21> 1
 <22> DNA
 <23> Glycine max

<23> unsure at all n locations
 <400> 14753

atctagcttc tggagccatt caaaaacaatc aatttgatgc catctagatg aagaaatacg 60
 atttcattat gaagatggca actttgctct aggtcatgtc ctttggcttg aaaaatggac 120
 aggttacata ccnagatta atggaccaaa tttccaaca gcagatggaa caaaatgtca 180
 agatctatgt cgaagacaag ggtgtcaaat cctatagcat agtccaacat gtggcagacc 240
 tagaagaggt attcggagaa atttacaaat acaacatgtg ccttaactcg aanaaatgca 300
 ctttcagggg cgggcggaggc agattcctct tcatgatcac acatctggga ataaaagtca 360
 accctgacaa atgcataggc atactggcga tgcatagtcc taccaacatc caagaagctc 420
 aaatcttgaa tggtagact 439

<21> 14754
 <22> 406
 <23> DNA
 <23> Glycine max

<23> unsure at all n locations
 <400> 14754

ctcactcaag gtaataagag tgtagangag naactttaag agttggagggt gtctttgant 60
 aaaaggcaatt tagtgaagat cgagaggcta ctatggcatg tttcttatat gggttgaata 120
 gtgatatag ggatgttata gattgttata attatgtgga gttgaagaac ttagtacatc 180
 aagttgtcaa ggtagaacaa caattcaaga ggaaggacag agataagaat aagtgaggta 240
 ctcttcaag caattctatt gctgcacctc aaagggtcaa aattaaagtc aatgagtcac 300
 ctaaaaaaga caaggagtaa tgaggtaaaa tgcctcatgt gtttaccggag aggtcacata 360

gctatgtagt gtccaaactaa gaaaatttatg ttacttaagg atgatt

406

<210> 14755
<211> 285
<212> DNA
<213> Glycine max

ttgaatgaat gaaatggtt ttgaatgaa gaaatggtt gaaatggtt ccggccaccc 70
ttgtttgac aaagacaggt ctggcagttt cggcatacaa caaaggtctg aaagtgggta 140
agacagtggt ttctgcagtc atattcatat cactcaagta ttaaaacaaa tccacaatca 190
aattataac actcgagcta ttttatgtac aaatcaaaa tcaataatat gaagggaaaa 240
aaagacgata caacttacat tgtgaagcaa cctgggcact taaca 285

<210> 14756
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14756

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tcatatccct ctccattctt cacttagagc aattccaaac aaaaaaatgg aagaagcgca 120
aaaggagatc ttggagacct tcaggaaagt agaggtgaac atacctctgc tagatgccat 180
caagcagatt ccaagatatg ccaagtttct aaaggagttg tgcaccacaa aaaggaagct 240
caaaggcaat gaaaggatta gcatgggcag aaatgtgtca acattgatag gtaaattctgt 300
tcttcacatt cctaagaaat gtaaggacct aggcactctt tgtatacctt gcattattgt 360
gaataagaaa tntgagaatg ccattgctaga tctaggagca tcagttaatg tcattgctct 420
gtccattttc aattctttat ctcttggacc ctgcaatct atagatgtg 469

<210> 14757
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14757

atactgaact ataaectata aagataccaa gnncaacttt tcttgtctag cttgtctctc 60
 ttaatringag gcacataagt aaaacacaaa catctaaata cttgaaattt ttccaagaag 120
 ggtttataac catabcaagc ctaaaaaaga gtctttccat ctattgcttc ggtggaaagt 180
 tttttttaa tttttttt tttttttt tttttttt tttttttt tttttttt 240
 tttttttt tttttttt tttttttt tttttttt tttttttt tttttttt 300
 tttttttt tttttttt tttttttt tttttttt tttttttt tttttttt 360
 tttttttt tttttttt tttttttt tttttttt tttttttt tttttttt 420
 cagtcactnt gctttttcaat ctagtcttta aatctccaaa atacacttg 469

#210> 14753
 #211> 425
 #212> DNA
 #213> Glycine max
 #23> unsure at all n locations
 #400> 14753

tcttcaggg ggagagataa cattagcaat gtattaatag cattcaagat agaaaatttt 60
 atgtactaca tataatgaaa tgacagacgt tattttctgaa ttcagctago actacaatto 120
 atccgtacgt taactaatat ctttaattaat atcacacagg caaggcacia taatctttta 180
 tatcttaatt aatattttatt tattctgaaa gattctttta gttggatata aaaaaatgat 240
 ttttttagta caatgaaaca aacaagcaca aattgataaa aaaaaacctc ccatatataa 300
 ttataataat atttatattaa attagagcgt tntaggagct actattttata ttaacaataa 360
 caactcgaaat attttttttag agacnattcc gaagattttct taacttttcta tatggatcca 420
 tctat 465

#210> 14759
 #211> 346
 #212> DNA
 #213> Glycine max
 #400> 14759

gagagctctg aactggaata ccgaagctct gagcaaatcc aaacgacaat aactttttac 60
 tctgatgctt gattcagccc cgttaatat ccgaaacgctc gatattgaaa gttgaagctg 120
 tgadcaactt caactacaat aactttttac tctgggtgctt gattcagacc aataatatat 180

cgaaaacgctc aatattgaat ggtgaagctt tgagcaactt caaacaacaa taacttatta 240
ctcggatgtc tgattgagac ccgtactata tccagacgct cgacattgaa taccgaaact 300
cttataaaaaa tcaaaactaca ataaactttt actctgaagt cagatt 346

<210> DNA
<211> DNA
<213> Glycine max

<400> 14760

tgcagcttgt caggaagttt ctgcattttt cctataaga atgcaattta ataataagcg 60
ggaaagccaag ccaaatgttg gaaattaata taaaagaaga aatataagca aaaagagtca 120
tggagtgcaa gaattcaacc actaaattca gatgaattgg cagagtaaag caaaaaata 180
tcaactgcaa gaatcgacgt tcttcaagcc actgtttgac aggcacact ttaacattag 240
cacttttcca ttcatttgca accacaacag ctactc 276

<210> 14761
<211> 226
<212> DNA
<213> Glycine max

<400> 14761

ttgtttggct gatttaaagc atttgaatta cttggacttg agcgggaata gatttccttg 60
agaaggatg tcaattcctt cttttcttgg gacaatgact tcttgactc acctcaacct 120
ctctcactact ggattccgtg ggaagattcc tcttcagatt gggaatctct caaatttggc 180
gtatcttgac ctgagttatg tttttgcaa cggaacagta cctct 226

<210> 14762
<211> 265
<212> DNA
<213> Glycine max

<400> 14762

taatatattga agattatcct tgtggaacct tcacccaacg aagacactga caaaaactta 60
tcttctcctt ctgggacaaa gaatggcagg ctggggggcaa gttaaatttct tcccatcag 120
accttggatg caactgtgat cgtatgccc tataagctag atcttgacg gtattcaagg 180

catacttctgt cttgccttga atgttaagga gcagoccaat cacactgtca caaacatttt 240

tctccacatg cataacatca ataca 265

<210> 14764
<211>
<212>
<213> Glycine max

<400> 14763

tgggatttcc ttttaatatg gaatttatcc ttcctaaaaat ggagocaaac ccaatcacc 60

ttattaaaaa ctagctcttt tcttctctta ttgcctttta gtgaatacac ctttggtttga 120

ttctctattt ggttctttaac cctctcatgc atcttcttta caaattctga cctagattcc 180

ccttctttat gtataaaaga agtgctcagt gggaggggaa tgaggtctaa cggtggttagg 240

ggattgaacc catagacaac ctcaaaaggg gaattgcttg tggttctat 260

<210> 14764
<211> 262
<212> DNA
<213> Glycine max

<400> 14764

tttgcattga agcttaaccc ctattctttt aaccctaaaac tctaaaaact aaacctataa 60

ctctaagget tagacaccaa accctaaatt tgaaaaccog aaaccttaa cccaaccttt 120

taaagccctt aacctataaa tataaaaaat aaacctataa cctaatggt ttagacacca 180

aacctcaaac ctcaaaacc taaaccataa acccttaacc cttaaattct atccctaac 240

cctaaactca gaattcta at ac 262

<210> 14765
<211> 244
<212> DNA
<213> Glycine max

<400> 14765

acaacattcc tggcgacatc tcaaaagggg tcaccactat acattatctc aaagatttat 60

gcataaacatg gctttttgtat ctatgaagga acctaagaat tttaatgaag ccttcataa 120

tgaaaattgg ataatatcta tgccggaaga actataacca ttgaaaagaa ataattgtg 180

ggagttagtt gagaaacctg aacgctaccc aatcattggg acaaaaaggg tgtttagaaa 240
 taaa 244

<210> 1476
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14766

ataaatgaga taagagatga gagaatgggg accttgcctt ataactgggtt ggengaggcc 60
 gtgcttactt ccaataactca agcaacccgc ttgagattat cctttctctt tggtaattcc 120
 ttacaaactt ctgaaccaca cagggacaaac tcattcccttg tgttgatgaa ttcttacaac 180
 ttaagagacn ctcagtcctt taatcaatct ctgtgaatga gaagaaagaa agaagaactc 240
 tctcttgaag aaaaggatat tacaattgag agccatggag aaactcttaa tg 244

<210> 14767
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14767

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 ggtttgcgct tagatgtcat tactaggtgg aattcaactt ttctgatgct taagagtggc 120
 cttgtatato gatgtgcttt ttgtagtctt tcatttgatg ataggagcta ttcaagttgt 180
 cctactaata tagaatggga gagaggacaa aanatgtgtg atttttttgca tcctttcttt 240
 caaatcacag agttgatata tgattcctct taccacaacat ctaatttgta ttccatgcaa 300
 gtgtggaaaa tgaatgttt gttgcttcaa aatttgagta atgaagatga gttgattaga 360
 accataacta ttgatatgaa aacaaaagttt gataaatatt ggagtgatta tagcaatgtg 420
 ctttcttttg ggtgcattct 440

<210> 14768
 <211> 462
 <212> DNA
 <213> Glycine max

togttogagt ttttgacgaa gggcatcaaa catatcttgg cgagtggtaa ggaggaagtc 300
 cacagctcog actgatgatg aaccaggaag gtagtcgggg atatcggtt gttgggtccc 300
 gtaacattac tggat 316

<400> 14771
 tctctctctc aactagtttt tctctctctc gcatacacc aaatttctc cagtataaact 40
 abgatcccaa actcgttaac gttggatca tctcaaaagt tgaacattag gttggaaatt 100
 atattccac acctccacca ttgggatttg aaaaataagg cctacggagg gagaatttgt 180
 catcgacac agacagtga aggaaggta taatccctc tctctctc taacactga 240
 aaactctagc agaggaagc gtttggggaa tcttaggaaa ccaactagaga tttctctcac 300
 tatcaaaacta cactcatgag ccaactaga ggtaagagat gagtttatcg caattaggtt 360
 tagaatgaac atttctaggg atccgtagag gatcaaatct aggtttaatt tgggatgttt 420
 attggattgt aattctctca gaaaatggtt gaggagtctt act 463

<210> 14772
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14772

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 tcttccaatt gatgaagttg tagcttccca tgttcaactg ctgcatttag atcaaaaattc 120
 aaaatcttca atgttcaata ggtttctgac cccaactcaa taggtaagtg acaagtcttg 180
 ccatagataa atttgaaggg agtcagctct ataggagtat tgtatgcaca cgtagcttta 240
 tctaatnttt gagactagtc cttctctgac tgagcaacta tttctctcag aattctcttg 300
 acttccctat tagaaacttt agcttgcaca atgggtctatg gatgctaavg tgaggttacc 360
 ttgtgtctaa caatatagtg ttggagaact tcttgagtt ggatgttata gatatgagat 420
 cctctatcac ttataaagta cctt 444

<210> 14773
 <211> 398
 <212> DNA
 <213> Glycine max

caagataga attgactagt gactataatg taagtggcac tttaaatggt tctgactat 120
 attcttttga tgcagatgga ggagccttgg atttgaggac aaatcctttt caaggaggga 180
 gtagatgagga cataaccaaag ggcaaggacc atgaagcaat tgaaggcccc atgaccagag 240
 gtagacttaa acaagcccaa cacatcatag agacaaggct ggtcatttgt atagctgtca 300
 ttgatgatga ttgaaggccc aagtggagaa agatgaaggc ccagaggcag aggcactacc 360
 aagaactacta attgttgtgt aaggcccaaa ctaacttg 398

<210> 14774
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14774

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 ttgccaaca ataaaaactg tcaaagtacg aagatattgt agtctacaga ttgtgtgtgc 120
 catctctgga aaattagtgt aactgatgtc caggtggcgt aaattaacca gatttccat 180
 cggctgtggc aactgaataa gaaattcaca atttgataat atcaaagttt gcaaattgta 240
 aagcataaat gtttcatagg acaagcttcc aatggaagtg taagaaagat ccagatacca 300
 caagtgcaac aaattgocaa tggaatcagg taactcaatg atatttntat atttagacaa 360
 cgcacgtata cgcacaacac tcagtttttg aaaccaacca tgataagtgc ataaattaaa 420
 atactggttt caagggtac 439

<210> 14775
 <211> 297
 <212> DNA
 <213> Glycine max

<J23> unsure at all n locations
<400> 14775

agctacaacc gattatgtta ccgcgaatta tgcgcgagang acccgtgcta ccctcgactc 60
gttagccatg ggtaggagct cgcctacaaga caatgataaa catgcctgta aacaccatac 120
tgcctctctg cctgctctctg cctgctctctg cctgctctctg cctgctctctg 180
tgcctctctg cctgctctctg cctgctctctg cctgctctctg cctgctctctg 240
tgcctctctg cctgctctctg cctgctctctg cctgctctctg cctgctctctg 300
tgcctctctg cctgctctctg cctgctctctg cctgctctctg cctgctctctg 360
tgcctctctg cctgctctctg cctgctctctg cctgctctctg cctgctctctg 420
tgcctctctg cctgctctctg cctgctctctg cctgctctctg cctgctctctg 480

<J10> 14776
<J11> 472
<J12> DNA
<J13> Glycine max

<J23> unsure at all n locations
<400> 14776

ctgggaacrac ttcacatgga ctgcatgggg cctatgcctg ttgaaagcct tggaggaaag 60
aggtatgcct atgttgttgt ggatgatctt tccagattta cctgggtcaa ctttatcaga 120
gagaaatcag acacctttga agtattcaaa gagttgagtc taagacttca aagagaaaaa 180
gactgtgtca tcaagagaat taggagtgac catggcagag agtttgaaaa cagcaagttt 240
actgaattct gcacatctga aggcctcact catgagttct ctgcagccat tacaaccaca 300
naaaatggca tagttgaaag gaaaaacagg actntgcaag aagctgctag ggctcatgctt 360
catgocaaaag aacttcctta taatctcttg gctgaagcca tgaacacagc atgctatata 420
cacaacagag tcacacttag aagagggact ccaaccacac tgtatgaaat ct 480

<J10> 14777
<J11> 449
<J12> DNA
<J13> Glycine max

<400> 14777

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ttttcgatca atatcgggtga ataatacttt ttgcccagag tgggctaata ttttcttgcc 120
cgaataaatg ggaacatgcc agtttcggcc gaaacgaaaac atcgggttgag ctgcacagaa 180
aaaacctagc cgacctacat tgaagtttt ttatgcaaca ccgaaaaaaa caaaatttcc 240

cctgcgcgttaa gaaaaaacat tctcggccag cgagcgcggg acttgaaatt caagctccaa 310
 aaattaaccc aaggcaacaa ggggggttgag gagtatttca aggaaatgga tgtgctcatg 340
 attcaagcaa atattgaaga agatgaggag gtaactatgg ctcgatttct taatgggttg 410
 attcaagcaa atattgaaga agatgaggag gtaactatgg ctcgatttct taatgggttg 440

<210> DNA
 <211> Glycine max
 <223> unsure at all n locations
 <400> 14778

agctaacat cctcagttct atggccttat tgaatggacc atgtagtccg tggaggagcc 41
 tttgagggcg tgtgtcttat agcaatagag gagtggggag agtttcttat cgttgataga 121
 ggtcacttat aacaatagtt ttaactctac cattggcctg gctccctatg aagctttgta 141
 ttgtagaagg tttaggacac ctctatgttg gctaaagccc ggaga 215

<210> 14779
 <211> 261
 <212> DNA
 <213> Glycine max
 <400> 14779

agcttttttt ccttgaattc tcttcaccaa tggagtcatt tactttctga agatcaattg 60
 cagcgggaatg gaaatggaag aaagatgatt ggagacgcca cttaaaggag aagatgagtc 120
 aagaagaagc tcaccaccat aggaagccat gaataagagc ttgaaggtag gagaagatga 180
 gtggaggggag agggagagaa ggagcagaa attttgtgac tcaaatgaag tctgaacttt 240
 gaagtgtaat tctcaaatga t 261

<210> 14780
 <211> 238
 <212> DNA
 <213> Glycine max
 <400> 14780

accctctaga ggcgaactgt ttgcctgcac ccgtgtttt ctaacgtttt aaggcgcacc 60
 ccattatccc tcttcacatg cccaactga gcccatatt ttgaagttgt ttatgggttt 120

aacccaactaa ctctctcttga tcttttggct atgcctaatag tttctgtttt taagcataaa 180
 gaagggtcaag caaaggcgga ctatgtgaag aagcttcatg agagagtcaa agatcaaat 240
 gagaggaaaa attaaagcta tgccttataa gccacaaga ggagaaag 233

<210> 14781
 <213> Glycine max

<400> 14781

tctcttcatg aatacttgtt acccaatctt ttccttcaat attgaagaag catgcaatgg 60
 gtaaaaagaa gtctctttga gaattatcta agccatcata ccttaatttt aatatggcat 120
 gaatttttgg atttggata ttcggagtt ttggcaatct acttttccat gctctcttac 180
 tcttacttct ttgaagaag atttgaacc agaactttta aagccaaagg aatacttctg 240
 gaataagaaa tt 252

<210> 14782
 <211> 252
 <212> DNA
 <213> Glycine max

<400> 14782

ttcttttagt ctctcagaag aagacggtgg gcagaaaagag gatatttttg ctctccaaac 60
 tccatgctcc caacaaatga atacaaattt gcgtttgggt ctccacatta gatgacggct 120
 ctataatcat ggaatttgaa gtctctctgt aaggaagaag ttacatccag ccttgtttt 180
 atcttcaagt tctctcacc atccaagttc atggtctcaa catagcaaac tgcctctca 240
 taactggagg aa 252

<210> 14783
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14783

aggctcana ttcgagtcct aactcttaag tatataatgc attaaataat taaaagaaaa 60

t

301

<210> 14786
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

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 ccttataat agctaagctc acccccatga caaaaaacat gaaaatataa aaaaaagtgc 120
 ttaactaaaa gaactactaa aatggcccca aatacaaggg taaaacctta tactactaga 180
 atggccaaaa tacaaggcca aaatgaaggg aaaaactatt ctaatattta caaagataag 240
 agggctcata cttagcccat gggctcgaaa tctacctaa ggcctatgag aaccttaggg 300
 ccttcctctg gatctctago ccaatctact tggagtcttc taactaatgc ccttgccgga 360
 taggattgca tcaattccctc cagcttggag aggatttgac ctcaaatgac gaggttcttc 420
 ataactctggg ctacttccct caacacctgt aaaaagaaca aaaacatatg ta 472

<210> 14787
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14787

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 cagaaatctg taactgtcgc aagggtttgt ggttngtgc cctctgctga ccaccatata 120
 gaactttgac ctcccatgca gcaacctgga gcaattgagc agcctaaagc ttatgcagca 180
 aataratata atagaacctc tcaacctcag cagcaaaatc aaccacagca gagcaattat 240
 gaactttcca gcaacagata caacctgga tggaggaatc acctaacct cagatggctc 300
 agcctcagc aacaacaaca gcagctgct ccttcccttc aaaatgctgc tggcccaagc 360
 agaccatata ttcctncacc aatccaacaa tagcaacaac ccagaaaac 409

<210> 14788
 <211> 430
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14738

ttgtgatcgat tacacaccat actgttttcaa ttaccagagg agtattttcag actatattct 60

caaatcatt ttatctctctt acaaattctt tggccaaaac actgtttcatt caataacgaa 120

ttatttgagt gctacattg ttcaatctat ctctctagag agagattttt tcttctcttc 300

ttcttatctt tgaanaggga ttaagagacc gacggtctct tgttgtgaaa gaattctaaa 360

caaaaaggaa ggattgtctt tgttgtgtta gaaattgtan aaggaattta caagatagtg 420

gaactttcag 480

<210> 14739

<211> 325

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14739

acagagatgc cagtctacca ttcaactntt agacttcctt gatgttggta aggggtgtgca 60

tctctagtat agttatgcan ttgtcggggc tgacttctat tccctgatgc gtgatcacga 120

aaactatgac ctgtccttcg tcaaccccaa aagtacattt tttgggttga ggcacatggt 180

atatttgtgg atttcttoga acacctcttc tangtctgcc acatgtangg ctatgccata 240

ggacttggca accatgtcgt caacatagac ctgcacattt cgtctaattt attgtttgaa 300

gatctgatcc atcctctctt ggtat 325

<210> 14790

<211> 236

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14790

catacgagta aaaaagtgat tgtcgtttga atttgcctat agcttcaaca tccaattntg 60

agcgtcttga tatattaaga tactcaatcg gacatccaa taaaaagta ttgtcctttt 120

aatttggttca gagcttcggc attcaagtc gagctctctg atatactaag ggaactcaatc 180
 agacctooga gtaaagggtt attgtcgttt gaatttgctc agagcttoga cattcaagtc 240
 cyagcgtctc gatataattac gggactcaat cagacatccg agttaa 286

<213> Glycine max

<223> unsure at all n locations

<400> 14791

ccagaacact atcagtggtc tggaaactac ccacatttac ttgatgggag ccattgcaagt 60
 tgaagcctt ggaggaaaga ggtatgctta tttgatggc gatgatttct ccagatttac 120
 ctgggtcaac ttatcagag agaaatcaga cacttttgaa gtattcaagg agttgagttc 180
 aagacttcaa agagaanaag actggtctat ccacagaatc acgagtgaac atggcagaca 240
 gtttgaaaac agcagcaga atggcatagt tgaaggaaa aacaggactt tgcaagaagc 300
 tctagggtc atgcttcctg ccaaagaact tccctataat ctctgggctg aagccatgaa 360
 cacagcatgc tacatccaca acagagtcac acttataaga gggactccaa ccacactgta 420
 tgaaatctgg agagggagga agccaactgt caagca 456

<210> 14792

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14792

taatntaaa ccagaatggt gaagctgtta ataaagatga aggtgatatg ttttttctct 60
 atggatatgg aggtacagga aaaacatata ttgggaaaac acttgcaagt tcactgagag 120
 ctgacaataa aattgtaata atgatagcct ctaggggcat agcttctctg ctattgcctg 180
 gaggtagaac tgcacattca aaatttaaaa ttccagttcc agtttttgaa gactcaactt 240
 gcaatateca tcaaggaaact caattagctg aactattaaa ccagacaagt ctaateattt 300
 gggatgaagg atccargact cacaattct ggtttgaggc acttgatcac agcttagag 360
 atatcatcaa acacaactca naggacagta aaatcttggc adgtaaaactc atc 413

<210> 14793
 <211> 323
 <212> DNA
 <213> Glycine max

gaactttgtg aatgatatat ttcattgcct gtaagcgag atggccaaat ctatgatgc 12
 atattctgac tccatcttat ttggaggata gacatgtgga ggagtaacta gttctcttgag 180
 gttgacatac gtaacaagtg ttctttgata tcttgccttt cattagaact tcaactcttat 240
 ttttagtcaac caagcattct gactgtgtga gagttacatt gaatctctca tccacacagct 300
 aactaatgct gatcaagctt gca 323

<210> 14794
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14794

acacctctct aatagctaag ttcacctcct tgagatgaga agctagagct tatctacaca 60
 cccctataaa tagctaagct caccatattg acaaaaaaca agaaaataca aaaaaagtc 120
 ctactacaaa gactactcaa aatgccccga aatacaaggc taaaacccta tactactaga 180
 atggccaaaa tacaaggccc aaacgaagga aaaacctatt ctaatatcta caaagataag 240
 ccagctcata cttagcccat gggctcgaaa tctacctaa ggctcatgag aacctaggg 300
 ccttcccttg gatctctaga ccaatctact tggagtcttc tatccaatgc ccttgcgng 360
 taggattgca tcaacctcat atatttttcc caaggccacc aagtgtgtag aatgatcag 420
 ttgcacatac aatcccataa tgggtataac aatagcaaca tcttcttccc ctg 473

<210> 14795
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14795

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 tccaagattc aagagaagaa atcaagaagc aacaagtcaa gaattcatat aggataaata 120
 ttaaaagaat ttttcaaaaa ccaaatagca cagntttggg ttacaaaaga attttctcaa 180
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
 tatttttcaa tagtgttaatg gattactata ttgttaatcg attacaagtg attctgagaa 240
 ttggaattca aatccaattg tgaagagtc caacttttca tataatacat tgtgttaatcg 420
 atta 484

<210> 14796
 <211> 321
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14796

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 cgaatttgaa catcggaagc tctcgagaaa ttogaatggc cataactttt cacacggatg 120
 tcccatttta ggacataata tatcgagaca ctcgaaattg cacaacggaa gcactcgaga 180
 aattogaatg gtcataactt ttcacaogga tgnctogaat tgggacataa tatatcgaga 240
 cgtctgaaat tgcgctacgg aagcactcga gaaattcgaa tggtcataac ttttcacacg 300
 gatgtctgat tgcgggacat a 321

<210> 14797
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14797

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 tcttgagggc tttcgtttgt caatttcgag cgtctcggta tattatgcgc ctgaatcgga 120
 ctccgtgtgt acaagatatg accatttgag tttctcgaga gcttccgttg ttcaatttcg 180
 aagctcatga tatattatgc aacttcaatg caacttcgtg tgacaagtha tgaccatttg 240

aattttctoga gagcattcgt tgttcaattt cgagcgtctc gatattattat ggccttgaat 300
 cggagctcgg tgtgacaagt tatgaccatt tgaattttctc gagagcattcc ggtgttcaat 360
 ccagagcatt ccgatattatg atgcgcgcaga attggacttn cgtgtgacaa gttatta 417

<113> Glycine max

<223> unsure at all n locations
 <400> 14798

tactcagctg aagaaatatt tgatgatgcc aaggaatnta agaattattt ttatgatgcc 60
 aaggaatttc aaagatcatt ccagatgaat ttcaaggatg aagaaagcaa gatgtcaagc 120
 caagcaaaaga tettaagata agaattaaga tagactctta gaanagtttt tgaaaagcac 180
 aaatgatctg ccaagttagt ttctatctta acaaaaaactt ttccaagcat tntactctct 240
 ggtaatcgat taccagaggt tgtaatcgat taccagtggc cacaagactt totggaaatg 300
 ttatcaaaagt tattttcaaa gttttcaag ctataatoga ttaccaaaac tatgtaatcg 360
 attaccaatg ctttaaaaacg ggtaaaaatg attntgtcat gtgtaatoga ttaactagagc 420
 tintgaactg tggacatttg aattntgaac aaaaataatt gtgtaatoga ttaagccaat 480
 gctgtaatc 489

<210> 14799
 <211> 494
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14799

gctgcattgc caattccatt tgatgaagcc aatntgtgga aaggccaaaag tggacctgat 60
 ctaaaaacaga taattcaaca acaatttaga aacatcaggt attacttcaa actagtggaa 120
 gtggaactgag ctctgtctag ctaaatatta tccatttaata acttgcaggg ctttgtttgtg 180
 gcttaattctc ttgtaagcat gcattcatact gctaaaaaat gacaattgat taccaatgat 240
 tegtatgaat gcttacaataa ccattttttgt ggaaggaatc atagtatata taggttggat 300
 tctatctaaa atcccatcat tgatattttt agtctacag tctggntttt cttttcattt 360

tgagatttcc acatactgat ggatgctaaa tnnnggttgg ttatctggac tctttgattg 420
 ctgatctaata ctgaacataa gacaactaaa tgaccactcc ttttacttgn tctccattta 430
 ttattctatt actg 444

<213> Glycine max

<223> unsure at all n locations

<400> 14300

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 aaagiadagg ctcatctcan aggagtgtgg gcacatataa tggttttggg tccaatgatt 120
 ggaatcaga catggaaatt caggaaatta aaagctttgg tagcagattt acttgggtga 140
 ggccaaatgg atatgtgagg agtangctcg atagatgctt ggtttcagaa cagtgggtac 240
 ttaaatggcc tgattcttca caacaagtac tccacatgga ttattcttat cactgtccaa 300
 ttattttgaa aacagatctg gtggattggg gccctaagcc atttaggggtg atggactggt 360
 ggcttaaaaaa taaagagtat caaagactgg ttaaagaagt gtgggtgtggg gaaccaacaac 420
 ttggatgggg gagtattgtg cttaaaaaac 449

<210> 14801

<211> 416

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14801

tattcttnta atgaatttaa ccaatataa attgtttaac atattgtgta tgttattaac 60
 acttctatta agattatata ttttcttaat taatcatatg agaattctta attagaaact 120
 actttgtgag atgcacatat tagagtgata caaatgttag tttcagagca gtaaagataa 180
 tacatatttt taaataagaa tgtagaacaa aaactataaa aaattgtttt aacaacaata 240
 caatctaaaa ataaagaaat attttcttga ataaacatcc ataaaatctt agaattttta 300
 gacatgttct cttttcaatg ataaaaaaaaa agagactgtt ctcatantt tctaaacaaa 360
 tttttagacc atactggaat gcattataaa aaaagtaatg tgaataaata catgta 416

<210> 14802
 <211> 393
 <212> DNA
 <213> Glycine max

tgttatgga atagaattt gctcagggct tccgtattcc atttcgagcg tctcgatata 120
 ttaagggaact caatcggaca tccgagtata aagttattgg tgtttgaatt tgcctcagagc 180
 ttcaattatc catttcgagc atctcgatat attacgggac tcaatcaaac atccgagtaa 240
 aaagtatttg tagtttcaat ttgctcaggg cttctgtatt ccatttcgag cgtctcgatg 300
 tattacggga tcaatcaga catcccgagt aaaagttatt gtcgttagaa attgctcaga 360
 gctttacat tccatttga gcttttcgat ata 393

<210> 14803
 <211> 252
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14803

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 agaacacctt cattgaaagg taatatgtat tacactatat ttattgatga ctccaccaga 120
 atgtgttggg ttttttctt caagttcaaa tcagaggtgg ctgaaatttt ttggaagttc 180
 aaagtcaagg tagagaatga aaacgggtctc aagattcaaa ttttgaggtc tgacaatggc 240
 accgagtaca ca 252

<210> 14804
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14804

attgaagaat atgtttctg actataaac gtttcccaag aattattacg aggcagaag 60

aggt

304

<210> 14807
<211> 416
<212> DNA
<213> Glycine max

ttgtagggtaa agtctcaccg atgtcagtg ctcatgcaac ttctgttagt cgtgggtata 60
ctagacatct gccaacacaa gtcagggtta cgtataactca cctatgctnt ttcttccatt 120
ctatatgtag caaagtcatt gatccagtcg tatntgatga gttggaaaat gaggcgcgca 180
ctatactgtg ccagttggag atgtatttcc ccttgccttt ccttgacatc atgattcact 240
tgattgttca ttgtgtcaga gaagcagaag aagccattga attttgttca gaatacttag 300
agaaggctaa acctgttggg cctcctgagt ctggcctga tgacagagtg gttgggaagg 360
gtccaagagg actgcangtg atcaactcaa gtgtagaaga ttgtttacaa gctcac 416

<210> 14808
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14808

aatactcaag cctaaatggg ggaatgaaaa anaagtntgt atccagacaa gagttatcat 60
tttcatacct aattttgtct ggaattgta acctcatttg ctttcttata aaagggactt 120
atgttaaatt chtaattgaag tntggtcaca gtaactcttg ttttagcgtc atgccaacag 180
ttgaaataga caggaaaaga gtaatgagga aacaactgac attggaagta ttttaaagga 240
aagcaatgaa gaagtcacac tagttatctt acatcaggaa tgaaactggt atgaaaacat 300
aagaataacc tcaaatatag gagagaaaact cacanaatac taactctctt tatctgtggt 360
tcanaaccca tatcaagcat tctatctgcc tcatttagaa caacaaaaga aattctggag 420
aggggaagtgt tgccttgttg taaatgatca atgaatcttc caggggtggc aactgctatt 480
tcaac 495

<210> 14809

<J11> 355
 <J12> DNA
 <J13> Glycine max

<J23> unsure at all n locations
 <J40> 14809

atttaaaatg ggtcttatta aagccctatt taaaatgtag catgcagtgt taacggcttc 60
 agcccaaaaa tattttggaa gaggagtatc atttaataaa gttctagcaa tcctcttccaa 240
 agatctattn ttcttttcaa caaccaccat ttgntaaggg gttcttggtg cagaaaagtt 300
 atgtcaate ccatacttat cacaaaatag ttcaaattct ttattttcaa actca 365

<J10> 14810
 <J11> 364
 <J12> DNA
 <J13> Glycine max

<J23> unsure at all n locations
 <J40> 14810

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 ggtaaaaaac aagagccaag ccttgctttg ctcaaagaaa agcttactaa ggcacttggt 120
 ctagetcttc ctgacttttc taaaactttt gagctaaaat gtgatgcctc tggagtggga 180
 gttggagctg tattgttaca aggtgggcac cctattgctt attttantga aaaacttcat 240
 agtgccacat gggctataca caccettacc catggatgtg tggcttggtt acaagccaag 300
 tctaggggtga tgcctcatgg gctatacaca ccttaccoca tcccatcttc acct 354

<J10> 14811
 <J11> 397
 <J12> DNA
 <J13> Glycine max

<J23> unsure at all n locations
 <J40> 14811

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 aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt gaagatgtcc 120
 agattgcaac tgttggccac aaaattccaa aatctgaada taaagdadua agaattcatt 180

catgaacttcc acatgaacat tcttgaaatt gccaatgctt gcaatgcott gggagagaag 240
atgacagatg aaaagctggg gagaaagatc ctcagatcct tgcctaagag agttgacatg 300
aaagtcactg ctatagagga ggcccatgac acttgcaaca tgagagttaga tgaactcatt 360

<209> 14812 14812 14812 14812 14812 14812

<210> 14812
<211> 400
<212> DNA
<213> Glycine max
<400> 14812

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caccatogc cagactctat ggtctatgct cctctgcgga ccaccataca gaactttgac 120
ctctgtgca acaatctgaa gcaattgaac agcctgaagc ttatgctgta aacatctaca 180
acagacctcc tcaacctcag cagcaaaaatc aaccacagca gaacaattat gaactctcca 240
acaacaggta caatcccgga tggaggaatc atcccaacct tagatggctg aatccttcac 300
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<210> 14813
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14813

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tgaaagatct tggacat 377

<210> 14814
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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 ttgtgattca cactcccaag ttgtttctgg ccaatgtaga gtatgatcac agagcattgg 240
 tcatagaagg taagcgcagg gtcttgatct ctggctccat tcattacctt cgtagtactt 300
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<210> 14815
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 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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 aacggagacat tcttggctaa tgtcaatctg atcacgcaca gagtctatcg atctagcgag 240
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 <211> 364
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14816

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attcatgcac ataatatatc gagacgctcg aaattgaaca atggaagctc ttgagttatt 180
 caaatggtea taacttttca ctgggaggtc cgattcatgc gcataagata tgaagattct 240
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<210> 14817
 <211> 275
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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 gctgtgcat ccttatgctt aaacatagca atgttaggca taggcaacaa atcaagagga 180
 gtcaaaggat taaatccata cactatctca catgggtgaac aattagttgt gctatggaca 240
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<210> 14813
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14813

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 gaagctntgt atggtagaag gtgtaggaca cccctatgtt ggtagagacc tggaaaagac 240
 ctcaccttat gacgggaagt ggtacaacaa accaccgaga aagtcagtt aatccacgaa 300
 aggatgaaga ctgctcagag taggcagana cgttttcatg ataagtgaag gaaagatctg 360
 gaattcgatg ttggtgatca tgtattc 387

41254 unsure at all n locations
41255 (421)

[illegible]

<L10>	11820
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<L12>	DNA
<L13>	Glycine max

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<223>      unsure at all n locations
<400>      14320
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gtcaggaatt ttcaaaaaata actctcaaga gtcaaaaactg ttcaagaaag ttttgaatgg	180
tcctcaaaaag cttataaata ggtgactcgg gacacgaaat tccttagagt ttgtctgaac	240
aacatttatct tttctctctca aaacanaatt gtcttataac tctcaaaaata ttctttggcc	300
aaaacaattg caaatttcaat aaggaaatctc gatcgatctt caaattttaat attcttctct	360
taaacagcga atctcttctta ttattattct tattcaaaag	399

00100	14521
00110	252
00120	DNA
00130	Glycine max

4223 unsure at all n locations
4402 14821

standardas acetabulo constructas utiqueque: aliquidque totidemque 60

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gagatatatg tgggagaaaac ctccaggttt tgtagacttt aatcattcta atcatgtaca 140
caagttggaa aagacactat atcgattaaa acaagaacct agatcttggg acgaaagatt 240
tagcaatttt ct

<212> DNA
<213> Glycine max

<400> 14322

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gcttcagcaa gagtcattgc tccaagggct ccaccactgg cagcatctat cataacttttc 180
tccatattac tgaattcttc ataaaaatat ttgagaagaa gctgtttctga aatctgatgg 240
tgggggcaac tggcacatag tttcttaaat ctctcccagt actcatacag gctctctcca 300
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<210> 14823
<211> 292
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14823

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gagatatatg tgggagaaaac ctccagctt tgtagactct aatcattcta atcatgttca 180
caagttggaa aagacactat atcgattaaa acaagaacct agatcttggg acgaaagatt 240
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<210> 14824
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 14824

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 atggatgaa agaatgaaa agaatgaaa agaatgaaa agaatgaaa agaatgaaa
 aattttctta agttttcttt tccattgctt aataaaaaac acttgcacac aaagacatga 300
 aatgttgaga tgtttggttt cctaccattg aacaggtcat atggagtctt cttaaatgat 360
 atcttatta aagcctatt catgatataa catgagtat t 400

<210> 14825
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14825

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 aagctcacc ccatgacaaa aaacatgaaa ataataaaaa aaaagtcctt attacaaaaga 180
 caactcnaaa tgcctcgaaa tacaaggcta aaacctata ctactagaat ggccaaaata 240
 caaggcctag acgaaggaaa aacctattct aatatttaca aagataagcg ggctcact 300
 tagcccatgg gctcgaaatc taccctaagg ctcatgagaa ccttagggcc tttccttgga 360
 tctctagccc aatctacttg gactcttcta 390

<210> 14826
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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cccaatcaga agagagggctg tagcaatggc aataataact cttcattagc acaatgtgct 180
 tttcaataca ttgtgtgcaa gttaaagaga ttgttcoctt ccatcactgg ccgaattctc 240
 ttgttttcaac ttgttaatgg attggaacct gatactattg atgaagctct cagatatgga 300
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<210> 14827
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 14827
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 ctacttaag ccgagttcaa ttgttggttg ttgcttcgac ggtacccgac gagaggtag 180
 gggagagatc gatctccag tacagatagg cctcacacc tgtctagtta ctttccaaat 240
 aatggatatt aacctccct acagctgtct gttggggcgc ccgtggatcc actcagtagg 300
 agttgttccc tcaacactcc accaaaagtt gaaattcgta gtggaagggc atctggtcat 360
 cytatc 366

<210> 14828
 <211> 465
 <212> DNA
 <213> Glycine max

<400> 14828
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 ccccccgtat ccaataaact cctcagaatg gtgtgactct ttgtgtacca gtcaccaatg 240
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 gaactgccta ttgtctctc acctgatcc aacgtgaagt ttctctggcg aatgggcagt 420

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465

<210> 14829
<211> 296
<212> DNA
<213> Glycine max

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aaatgaagat ttgaagctgc aggatccacg atgtcggaca cgatgtcctg acatccggcc 180
tgaataact ggacacataa atctgttata tctttaacag attaatgtgc agttagcaac 240
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<210> 14830
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14830

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agtacttgtg tgcctctaaa ataaaaggaa taaaaatata tcagttagca gttacatatg 180
cgattgtagg aatccaacat tctgcaaac atcaaagttg gcattgcaac aataaaaaaa 240
aataaacaac tgaacacct tcaacctgga tctgggtttt tatctggatg gtattgaata 300
gaaagtcgcc tatacttttt ctttatttca gactctgccg ctccaggttc taatectaga 360
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gcacnagtgg aagtctcagc caattagtaa aatgttaaac acaaata 467

<210> 14831
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14831

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tgaattcaca acaaaaccaa gaaacanaac atgggttagta caaaagatgc attttcaag 180

tatgaactct ctcaagatat gggtcattaa tttctt 240

<210> 14832

<211> 444

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14832

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tcogagtaaa aagttattga catttgaatt tgcctatagc attcgtttgc aattaacgagc 120

gtctagatat attaaaggat tcattcggac atccgagtaa aaagttatta tctttttatt 180

tgcctcagag ctctctgtttt caatttcgag catctcgata tattacagga ctcaatcggc 240

tatcccgagtc aaaagttatt gtcttttggc ttctgtaaga gcttccgggtt tcaattacga 300

gcgtctcaat atgctaaggc acacaatcgg acatccgagt aaaaagttat tctctgtgtga 360

atttactcag agcttccgtc gtcaattacg agcgtctcga tatattacag ggattacttg 420

gacatccgag taaaaagtca ttgt 444

<210> 14833

<211> 326

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14833

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gcacaaugca agataaaatg tcaaatgaag aattgaagct gcaggatcca cgaatcggga 180

tacaatgtcc agacatcct gcccgaaaat gcacaaggca tgataaaada attcaagctg 240

caggatccac gatgtctgat actatgtcca tgacatcttg ccgaaaata ctggacacat 300
 aaatctgtta tatctttaac agaata 326

<210> 14934
 <211> 14934
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14934

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 caactagatc ttgaagggtta ttcaagccat ccttcgtctt gccttgaatg ttaaggagcg 240
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 ctcaagatc acaccagtac ggaagatcaa agagnatgga cctctctctc catatgcaac 360
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<210> 14335
 <211> 329
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14335

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<210> 14336
 <211> 300

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14836

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gctgagctg gctgagctg atgagctatg gctgagctg atgagctatg 180
tttgagcat ctgcatatgt tatgggactc aatcagactt ccgaatgaaa agttgttgtc 240
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<210> 14837
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14837

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caccacagta gaaagagttt caatagatgg tagttcatca agtgaaagca tcaactataga 180
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<210> 14838
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14838

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anaaggccaa ggggaactaa agttatggaa gttgtcgggt ggtgttcacg gaattctcgg 240
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ccatcatgca ctancttttt ttccagggag cgcctcctcg tgtggaggcc aaagaatcct 360
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<212> DNA
<213> Glycine max

<400> 14839

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agggtaaatg tgataaaggc acaggaccat atgcctaactg ataagggtag atacctgag 180
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gttgattttg 310

<210> 14840
<211> 319
<212> DNA
<213> Glycine max

<400> 14840

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agatagtttt gggtttctgc gggaagagaa aaagttacaa tgcgaagggt atttctctca 240
gtctcgacat tgtttcgcaa ttttcaacgg tgagaattct tggaaataag tttcaaacct 300
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<210> 14841
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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<210> 14842
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14842

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 ttcaacaaca ccattttgtt gaggggttct tgggtgcagaa aaattatgct caatccccatg 360
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<210> 14843
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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tcttgaacga tccggaacg gtatttcgtc attcatatct ggtaacggaa taacttttagc 240
 tacacaaaat ccttggacat cggcaaaaaa attattccag ccactctctc tcattgtgac 300
 caacggagct tggacaacat caactaatc catggcattc acaatattaa gatctttct 360

 14844 14845 14846 14847 14848 14849 14850 14851 14852 14853 14854 14855 14856 14857 14858 14859 14860 14861 14862 14863 14864 14865 14866 14867 14868 14869 14870 14871 14872 14873 14874 14875 14876 14877 14878 14879 14880 14881 14882 14883 14884 14885 14886 14887 14888 14889 14890 14891 14892 14893 14894 14895 14896 14897 14898 14899 14900 14901 14902 14903 14904 14905 14906 14907 14908 14909 14910 14911 14912 14913 14914 14915 14916 14917 14918 14919 14920 14921 14922 14923 14924 14925 14926 14927 14928 14929 14930 14931 14932 14933 14934 14935 14936 14937 14938 14939 14940 14941 14942 14943 14944 14945 14946 14947 14948 14949 14950 14951 14952 14953 14954 14955 14956 14957 14958 14959 14960 14961 14962 14963 14964 14965 14966 14967 14968 14969 14970 14971 14972 14973 14974 14975 14976 14977 14978 14979 14980 14981 14982 14983 14984 14985 14986 14987 14988 14989 14990 14991 14992 14993 14994 14995 14996 14997 14998 14999

<210> 14844
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14844

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 aaatattttac aatagacctc ctcaacctca gcagcanaat caaacacagt agagcaatta 180
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 cagcctcag caacaacaac agcagcctgc tgcctccttc caaatgctg ctggcccaag 300
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<210> 14845
 <211> 297
 <212> DNA
 <213> Glycine max

<400> 14845

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 ttagatgagt gggaaaatga ggcacaaatt atactgtgac agttggagat gtattttccc 180
 cctgctttct tggacatcat gattcatttg attgtgcac tggtcagaaa aatcaaatgt 240
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<210> 14846
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 <212> DNA

<400> 14846

<...10> 14847

<11> 322

<012> DNA

<013> Glycine max

<025> unsure at all n locations

<400> 14847

<210> 14848

<: 11> 261

<0.12> DNA

<213> Glycine max

<400> 14848

6251

<210> 14849
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 <213> Glycine max

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 aagttatgac cattggaatt gctcaagaac ttcattatt aaatttcgag cgtctcgata 240
 tattatgcgc cttaaattcgga ccttcgagtt aaaagttatg accatattgaa ttgctcaaga 300
 gctttcaattg tccaatttcg agcgtctcga t 331

<210> 14350
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 14350
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 gttttgtaac aaaaaggcct ttcattggaa gtgtgttggg agcctccaat aagttaccaa 180
 acctccattt gtgtgtaata attttaggca atttttcctt aggatagtga gtgttttgtt 240
 gggaaccttg aatgtggta tccaaacact cttaggattt gcttagttta catttcttgc 300
 ttactttcat agcttatttc cttaccttc cctttta 337

<210> 14351
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 14351
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caatatctgt tgggtttttt cttcatactt gtttttacat tttcttccat ttttaccata 180
 gtaatagaag cagtgtgatg tagctccatt ggagcctgta ggctttggat cttcttccat 240
 aatggagtc cttgtctctt gaagtttgat ggcagcggaa aggagaagga gaaatatgat 300
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<210> 1
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 <213> Glycine max

<400> 14852

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 taaggaaatt tgtcatatac aatgaattca gtttcaacca cattgaggtt gttgtccttt 180
 ctcttgcaac tttctttaa gttttatctt caaggcatag aatgattgca cttctggctt 240
 tagcaatcat ctctaatctt tcttttgagc ttaaagatct tgacatcctt tcttcccttt 300
 caagagcttc tacacagcca tgggtg 325

<210> 14853
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 14853

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 atattatgcg cctgaatcgg accttcagat gaaaagttat gaccatttga atttctcgag 180
 agcttcctgat gttcaatttc gagcgtcttg atatattatg cgaactgaatc tgacctcggg 240
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 ctatctgtga tgcgcctaaa tcagacatcc gagttaaa 338

<210> 14854
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 14854

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aaacctaggg cttttacttt gatctcttgc ccaatc 350

<210> 14855

<211> 340

<212> DNA

<213> Glycine max

<400> 14855

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taggaccaag gacataaaag atataacttg ttatgatgat gtatatatac gtgagataca 100

tggttacttg gtttgcttaa tgtgcaatac atacaaaact ttcacacata tttctaat 150

aaataaatcc aataaat 200

ttagtataaa aatatataat gttgcaacga gttgcaacaa caaatattaa gactatagac 250

caaatagaa gctaacaaaa tcaaatacta atttatttat 300

<210> 14856

<211> 324

<212> DNA

<213> Glycine max

<400> 14856

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aagttatttg cgtttgaatt tgcctcagagc ttccggcattc aagtcggagc ctctcgatat 100

actacgggac tcaatcagac caccyagtaa aaagttattg tggtttgaat ttgctcagag 150

cttcggcatt caagtccaat cgtctcgata tattacggga ctcaatcaga catccagta 200

aaaagttatt tgcgtttgaa ttgctcaga gcttccaaaa tctatttcga cgttttcgat 250

atattacggg actgaatcag acat 300

<210> 14357
 <211> 436
 <212> DNA
 <213> Glycine max

<214> ntgagaagca tgtgatcctt nggcacacac aaaacattca gcttgatcct ttgtctacaa

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 attttacaa tgcctatgcta gatttaggag cttctgttag ttttatgcct ctgcctattt 180
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 gaaggtgtgc ctatcctgct gggttccatag aggatgtcct agttagagtt ggtgagctca 300
 ttttcctgt tgaattttat attttaaata tggaggaggg attttctaaa ggatcagttc 360
 ttatcattct aggcagacct tttatganaa ctgctagaac taagatagat gtatatgtac 420
 gtaactatc tantggagtt ggtgatataa ctatcattt taatattctt gatgcataaa 480
 acacca 496

<210> 14358
 <211> 436
 <212> DNA
 <213> Glycine max

<214> ntgagaagca tgtgatcctt nggcacacac aaaacattca gcttgatcct ttgtctacaa

<400> 14358

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 aatcgacggt aacatataaa tgttaacac aatttttgaa aaaactgatg ttatccaagt 120
 gatattaaca tgggttttcg aaaaaccaat gttaacattg tctcgttaac attgggtttt 180
 caaaatcaga tgttaatatc ttcattgtta ttacaattat gccccaccc tttctaacat 240
 ctatttaata aaaaaccaat gttaaatatc ttttttcta gaagtatgtt ttgatgaata 300
 gatattctgc tcaattaata taggaccca ataaataaga ccattgataac actgagaagg 360
 taccatactt ctatttgaat taattatcta cgaaggagat gaatcaagaa gatattgttg 420
 atttcattgt ggcctatgat attcaagact aaaggccaat tctagctcta tcataatata 480
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<210> 14859
 <211> 483
 <212> DNA
 <213> Glycine max

<400> 14859
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

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 ctataacaaa tgcataattt tggaaaagat tataaaggan aagggaaagg aagcaatgaa 180
 gatctcccaa aagaagccaa atcaaataat gaacttccaa cagaatggaa agcttcgaga 240
 gatcctcnc ttgagaacat tattggtgat atctcacaag gggtaacaa tagacattct 300
 cttaaagata tatgcaataa tatggctttt gtgtctatga ttgaacctaa naatctaat 360
 gaagccataa tagatgatca ttggatagtt gctatgcaaa anaaactaaa tcagtttgag 420
 ajaaacaatg tgtgggaact agtagagaaa cctgaagact accccatcat atgaacacaa 480
 tgg 483

<210> 14860
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 14860

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 actggagaga agatctctgt gaaatcaatt cctttgttct gctgaaaccc ttccaccaca 180
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 ttctgttaacg cctcttttcc ttctggcaat ttagttaaag accacgtctt attcttttga 300
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 gcttcattga aacattctgg ctccaccagca tcagttaaca acaaataatg caatgaaggy 420
 gaatacctat ctg 483

<210> 14861
 <211> 298

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 ccaattgtgt cttttccttt ctcttctttt ctgctccta tgagcaataa aacaattact 360
 caca'cagca aacacatcta 380

<210> 441
 <213> Glycine max

<223> unsure at all n locations
 <400> 14864

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 ttcacttctt ttcacaagta taaattccct taacaatgaa cttcttaaat attaatccaa 180
 ataaaaaaca tttgaatatg aatataaaga aataataaac aaaggagttt aagggaagag 240
 aaagtgcaaa ctcagattta tactgggttg gccacaccct tgtgcctacg tccagtcctt 300
 aagcaacccg cttgagagtt ccactatctt gtaaatccct tttacaagtt ctaaacacat 360

<210> 14865
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14865

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 tcttttacat gccataagta tcttttgagt atttaagaga aatgcatact caagatgcta 180
 ctattaatta agataaaaaa aaatagaaag aataatttag aatttaagat aaatatcaca 240
 agtgtcccat gagtattatc ctatatccaa gatactataa ttattaatgt ttcattatc 300
 aataatatng acatcacata tatatatata tatatatata tatatgaggt gctgtattat 360
 tateactate attaatatat atcactatta ttgctactat caatagtact actatateat 420
 tgatcacgct cacatcaccc c 441

<210> 14866
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14866

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 ttatcgttagg agaagcgatt gaagacatct tgaagatcca caactcttcc ctgttgctgt 240
 acatgatcca atattggaag gagaccatta tgcaccttga cgtgaatggt ttccactaaa 300
 aacacctcga agctttttctg cttaaagaga gaatggaaga gaatccctgt gtacttccat 360
 gcttcataat cagcggagaa aataccgtct ccgaacgcct ganaaatgtg acgaaactcg 420
 ggtcccttga cgtagttgag gaaattcttg ctccagcatgt 460

<210> 14867
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14867

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 aatgtgtgtc tctagagag agcatcaact accacatttg tttttccctt ttgtatttg 180
 ataacatant ggaaatgctc tangtactct acccattttg catgcctttt gttaactcg 240
 ctttgccttc taatgaactt aagtgattga tgatcactat gaatgacaaa ttccttgga 300
 acaaggtaat gttcccaagt tcggagtgtc cttattaatg cataaagctc tttatcat 358

<210> 14868
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14868

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405

<210> 14871

<211> 414

<212> DNA

14871-14872

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cgatatatga cgggactcaa ccagacatcc gaggaaaaag atattatcgt ctttaattggc 140

ccagagcttc taattcaat ttgagcgtc ccgatatgtt acgggactca atcaacgcac 240

cgagtaanaa gatactgtcg gttgaattgg ctgagagctn caacattcaa tctcagcgtc 300

ctcgatatgt taacggactc aatcagacat ccgagtgaaa aggtattgtc gtttgagttg 360

gtccatagct tcaacattca atttcagcgc tctcgatata tgaacgggact caat 414

<210> 14872

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14872

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ttgaacaacg gaagctcttg agaaattcaa atggtcataa cttttcacac ggatgttcga 180

ttaacgcgca tcacatatag agacactcga tattgaacaa cgggaagatct tacgaaatta 240

aaatggtcac aacttttcaac actgatgtcc gattcaggct tataatatat cgcatacgtc 300

gaaattaaac atcggaagct ctcgagaaat tcaaatggtc ataacttttc acacggatgt 360

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atccanatgg tcataacttt tcaca 445

<210> 14873

<211> 409

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14873

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 tgggaacaga caagtttctt aatccagatt catcaattg gacctcttt gcaggaaact 300
 cgggatatgc tgetccaggn taatttctt tctctatact atttgagtaa atcatgatat 360
 tntagtttgt ctccggtagc catttacana tatatataca tcacaatta 409

<210> 14874
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14874

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 tttctttcta aatctgagtt tgtgatattg ctatttatatg ccgatgatat aaattacatg 180
 gaagggatgc catatgatat atgctgangg ccactgatgt atgctatggt atgtaactgc 240
 cctgacatag ctcatgcact gagcttagta agtaggtcta tgggaaaatc aggcaaatga 300
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 gcttatgctt tagct 375

<210> 14875
 <211> 369
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14875

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aatgatcacc tettaaggtta aaaaagaate acttgataag caagaactac gttaggtotga 120
 tttcttcato gcaattgtgg atacttagga gcaaaaagccc tgctttttgtc gaccacccca 180
 agagatogtt aatgggtccaa tgccttaaty tttctctctt ctcanaaaaa caagagatog 240
 tctctctctt tctctctctt tctctctctt tctctctctt tctctctctt tctctctctt
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<210> 14876
 <211> 463
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14876

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 aatatogggc cttgtattgg ttagatacct taaactcccc acaagactct tgaagatcgt 180
 gaagtcaccc tttctctctt catcaaacct tgataacttc aagccacctt ccataagtggt 240
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 gagtcacata tctgtcatat cagattcacg agacatggac tctttgaagt ctccanacaa 420
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<210> 14877
 <211> 291
 <212> DNA
 <213> Glycine max
 <400> 14877

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 ttgaagaaaa taactttatc aagcacaaaac ttcaagcctt attccatgta ttgtggggaa 120
 gctatgaact ggcataatgg ttgaggtgtt atagaggagc aggcattggc gaagggaact 180
 ttgaactgtg aataggacag gtggcttgta gactatgtca ggttgcattg agaacgcaga 240
 cggaaactct tctctatgct cgcataatat aaacacgcac actttttcac t 291

<210> 14878
 <211> 372
 <212> DNA
 <213> Glycine max

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 cccatgactt ggaactagca gcggtggtct ttgctttaa gatttggaga ggcactatta 240
 atttggtaact cgttttgaag ttttcagcga tcacaagagc ctcaaatact tgttcgacca 300
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 tcttctctac ca 372

<210> 14879
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 14879
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 ttacctcag atgaaagtgt ttcatgtata ggaggggtct ccttcataac cttaaacaga 180
 gctgcagcct gcataattag agaagatgtt tatttagcaa gataaaaaaa aaggaccctg 240
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 tgccttagct ggttgtaaat tgatggttgc caaaataagt taaaagctga cacattatcc 360
 tacattacca aacgttagaa tctcatatcc tcatagaagc agatataaac catgtctaat 420
 aagaat 426

<210> 14880
 <211> 380
 <212> DNA
 <213> Glycine max

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 taataaatat ggacatgaga atttaaacat tttaaactctt cggcatcaca tgcctaatga 300
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<210> 14883
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14883

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 caggaaggca gtgaaggcta tctcccttca tagacaccga agcaacgtgg ttogaactgt 180
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<210> 14884
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 14834

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 aaaatadaag gcttagaaga aggaaaaaac tattcttaata ttacaaaaga taagcggggt 240
 catacttagc ccatgggctc gaaatctaac ctaaggctca tgagaacctt agggcctttc 300
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 tgggctcctt 430

<210> 14886
 <211> 467
 <212> DNA
 <213> Glycine max

<410> 14886
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 aaataataa aaaaaaagtc cttattacaa agacaactca aaatgcctcg aaatacaagg 180
 gtaatactct ataactactat aatggccaaa atacaaggcc tagacgaagg aaaaacttat 240
 tctaataatt acaaaagataa gggggctcat acttagctca tgggctcgaa atctacctca 300
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 cctcaaatcc cgaagctctt catactct 448

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 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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 atganaaaaa acatgaaaat aataaaaaaa agtctcttat tacaagaca actcanaatg 180
 ccccgaaata caaggctaaa acctatact actagaatgg ccaaaatata aggcctagac 240
 gaaggaaaaa cctattctaa tatttacaaa gataagcggg ctcatactta gcccatgggc 300
 tcgaaatcta ccttaaggct catgagaacc ctagggcctt tccctggatc cttagcccaa 360
 tctacttggg gtctctctagc caatgcctt gggngtagg attgcacat tccctccacc 420
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<210> 14887
 <211> 462
 <212> DNA
 <213> Glycine max

1
 2

3
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 tatatactca ttgttcacac acaagaattt cttctcacad attatttata cacaaaatct 240
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 ttgttcacaa cgtctctctt tttctctatt cttgggggta tcatgatgtt ttgtctctnt 360
 atttaggat gactgtctca aatgaaaact ctacacgggt ccagaatttc aacaaacatt 420
 atgacaata acgaagtaac actaatgaac agtcacaaaa aa 462

<210> 14888
 <211> 457
 <212> DNA
 <213> Glycine max

<400> 14888

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 ttttaaatac ccattacaca acaaacaggt ggattcaaaa atcaaaggca ttgaattgaa 120
 tgaaccacac aaagccacaa gagaaaaaga aatgacattt tggcacaacc caattgaaaa 180
 tcttaccaac ccagaaaaga ccaatcggga aaagggatgt caaagtgttc ctttgttggtg 240
 caataccgaa atagaggcaa aggcattgct ttgtgttcag tcttattaac agaaggttta 300
 tccatgcaat caaacatcat atccacatct ggcaccatcc cagggtacct cctcataagc 360
 tgcacaaccc cccacagtgt aaacattgcc ctactctgca cacaagcata gtaccaatcc 420
 acaaacacct tcccttcaac aatcaccact ctgaacg 457

<210> 14889
 <211> 346
 <212> DNA
 <213> Glycine max

aattctcctt ctatattctt ctgactgtaa ggatataaaa tgccaagatc caatgttctt 240
 ttacataacc tt 252

<223> unsure at all n locations
 <400> 14892

agctnggaag gtagtcatac ctcacaaagt atatatatgt atgattgggt agtgaatata 60
 cctaagatat gcatgtatgt aaacaaaaat acttcacaaa atatatatat atatgtatgt 120
 ttagatatgc atgcatgtag gaaaaatact tcacaaaata tatatatgta tgttttaggta 180
 gcaagatacc tgggatatgc atgtatatag caaaaaatata tcacanaaca tatatatgta 240
 tgttttaggta gcaagataca tgggacacgc atgtatatag caaaaataact cacaaaaata 300
 taagtatgtt taggtagcaa attacctcat gaaaaaaaaag agcaaaaaga gagtgagcaa 360
 gaaaggaa 368

<210> 14893
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14893

agcttcaaaa aatggcctca tcaactctt attccctgaa tgaaattcaa taaatacgcc 60
 tcttatattt aatggagagg gttaccacta ctggaaaacc cgaatgcaaa ttttactga 120
 ggaatagac ttaaactttt gggaagccat agaagttgga ccttatatac ccaccatggt 180
 ggttggaat acaataatag agaaacctat agaagagtgg tctgaagatg atagaagatt 240
 agtgcagtac aattttaaagg ctaanaacat cattacttat gccctangaa tggatgaata 300
 ttttaccggtt tcaaatgtga agagtgttaa ggatatgtgg gaactgatgtg tcattatttt 360
 cctctattat cttaaccttt ttgtcaccaa ttttaattact gattaactc 409

<210> 14894
 <211> 409

<212> DNA
<213> Glycine max

<23> unsure at all n locations
<400> 14894

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cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt
cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt 240
cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt 300
cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt 360
cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt 408

<212> 14895
<213> 371
<212> DNA
<213> Glycine max

<400> 14895
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cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt 120
cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt 180
cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt 240
cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt 300
cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt 360
cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt cctgctctt 371

<212> 14896
<213> 431
<212> DNA
<213> Glycine max

<23> unsure at all n locations
<400> 14896

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agctcttcaag agctcttctt aaaaactgag tagcacatga atctctctta aaacctctta 120

ccaaagaagt tttactctct ggtaatcgat taccacatta ttgtaatoga ctaccagtao 180
 caaaataatt ttacacatato ttccaactga atttacaatg ttccaattga ttccaacatg 240
 ttctaattctg atataaagtgt ttggtaatcg attaccagtg tgtttgaagc tcgaaattca 300

taggttttaa 441

<210> 14397
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14397

aaagccagtg caacttctct agaaaaccaca tcttaatttc aagtcgaatt tagagaaaat 60
 tcttagctctt ccaatttcat cggacaactc tacaatcacc agaattggaa aattgctagg 120
 aagggttaata ttgggttaaag tactatagtc aaaacagaat ctccaccctc gtccctcttc 180
 accaaaacaa taggaatgac aaagggaactt acacgtggtc taatgatgac tgatcatcac 240
 atctcattga ctacttttca atctctgctt ttgggtaatg gggatattta catggcctta 300
 tatttgggaat ttgagcatct gctttcagca ctattgcacg atattgtctc ctatgtgaag 360
 gcagactntg agggccctan aagatgtctt gatattttat taaatcaccg tatatgaatg 420
 tngcaacttc aatctctat 439

<210> 14398
 <211> 491
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14398

agcttgagca gaacttanaa actntgaata ggaagctcat tctgtgggtc acacatatca 60
 tctcttnaaa ctaataacca caccaccaca ctccaattcc acttncactt cgtaccccat 120
 tgcccagagg ctcttacta tctgaaggtc tggngaaggc atattgtacg cagccttact 180
 cttgcatacg caaagaguct ctctccggat tcgaaccat gaccaacaag tcaccaaggc 240

acaattttac cgtctgcacca gggctcgccc tcaccaatac accaccactg aacaaaaaan 300
 aatgcaacat aatccaccac tttactttca tcaattgtga gagaatgtgt cgcgaatctt 360
 ccacaaaccac ttaaagtana gcacagatg atcaactact atcatnttca tcaattataa 420

<210> 14900
 <211> 292
 <212> DNA
 <213> Glycine max

<400> 14899
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 aatccagacat ccgagtgaaa agttatgaca attttaattt ctccagaaat tccattatto 120
 aattccagagc gctctatat atcatgggac tcaatcctac aatcatgtca aaagtatatg 180
 ccgtctgaat tgcaccagagc tttcttgttt aattccagagc tccagaatat tatgtgcctg 240
 aatccagacat tccaggaaaa gttatgacca ttccgaattct ctgatttcca tt 292

<210> 14900
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14900

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 gcaaaagatc aagaggagtt agtatgttaa aacccctcttc catttctaaa ggagagcaat 120
 tactattgct atgaacaact ctattggtag caaactcaac atggtgttaa caggtctccc 180
 aangttttaa agttctcttc taaactgtca taagcacaagt tcccaatgtc ctattaacaa 240
 ctctctggtt gcccatcggt ttgtgggtga caagtgggtg aaaataacaa tttaantgtcc 300
 aacttgcccc gcacagtcct ccataaatgg cttaggaact taaagtcctt atcactaaca 360
 atgctccttc gcanaccatg gagtctcaca atctccttga aaacaaatca ccacatggga 420
 agcatcctca acttttttac atg 443

<210> 14901
 <211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14901

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 gacacataac ttttacacgg atgtccgatt gagtcccgta atatatacng atgctccaac 190
 atgaaaacgg aagctccatg caaatccaaa cgacaataac ttttactca gatgtccgac 240
 ataggttcgt aatatatga gacactgcct attgagaaca gaagctccga tcaaatccaa 300
 acgacaatat c 311

<210> 14902
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14902

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 gacagtgatg caatgttcac cgacatggcc ttngaggtgc catgggagag gtataaagat 120
 tcgaactttg ttatgcacgg gtggaatgag atgggtgatg atgagaagaa ttggattggg 180
 ttgaacactg gtagttntct gttgagaaac tgtcaatggc ctttggatat tctngatgct 240
 tgggtcccaa tggggcccaa ggggaagata agagatgaag ctgggaaagt gctcactang 300
 gagettaaga atanggectg ttttgaagct gacgatcaat ctgctatggc ttatttggtg 360
 gcaactggga aggagatatg ggggtgacag ggttaccttg agaactacta ctactt 416

<210> 14903
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14903

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caagaatntg ctaagagttc ttggatcaa aaaggtotta tcttctaaa aagcacaatc 120
 gtttatccct cttacanatt ccttggccaa attacttggt attcaataag gaattatttg 180
 agtgcacaaa ttgttcaatc tacccttttc aagagagata tcttcttttc ttcttcttca 240

<210> 14904
 <211> 321
 <212> DNA
 <213> Glycine max

<400> insure at all n locations
 14904

ctctagtgtt agtnttgccr aaccgaggg aacccttga ggtgtattgt tatgcacaa 60
 agatgggttt aggaggagtg ttgatgcata atggccaagt agtggcatat gcttctagaa 120
 aactcaagac tcatgagagg aattatccca ctcattgaat ggaattagct gttgtgggtt 180
 ttgcacctaa gatgtggagg cattacttgt ttagctccaa gtttgagggg tttagtgtc 240
 ataagagccr taagtacttg tttagtccga aatagctgaa catgogtcag aggagatgg 300
 taaagtctct taaagattat g 321

<210> 14905
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 14905

cttgattaat taccacaaat ggcaagctga gaggtttgt ccttcccaat atgtcttgga 60
 aacatggcaa taccatgccr ttgtcttga aaagagtttg cagccctgcc gggaacatc 120
 ccatgcaact ctgtggaggg tacaacatta agattgtctg gcttagcccc gtatagtgt 180
 gcagaacctg ctgtctcttg ccagaatgaa tctatctctg caatttcttg gtgacacaa 240
 atattggcag caatgtagca gtgggttga cacttttctg gccgaggttg gttaaaaaga 300
 agatggggaa gctgtaattt aaggagagaa gtgattaatc aggaattcaa tctcacattg 360
 tttcaaaatc ataagtttaa aaagggggaa agtaccggta ttgttcaga tctca 415

<210> 14906
 <211> 517
 <212> DNA
 <213> Glycine max

<400> 14906

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 aaggcctttc cccatttttt agagggagtg gcaaaggact ggctttatta ccttgcctca 240
 ttgtccacca ctagctggga cgaacctcaag agagtattct tagaaaaaat ttcccttgc 300
 tcccaagacta cgaacctcag aaaggatatt tcaggtatta gacaactcag tggagagaga 360
 ctatatgaat actgggatag atttaaaaaa ttatgagtag ttccagcaa caggtacaat 420
 cccgggtgga ggaatcatcc caaccttaga ttgtcgaatc ctccacaaca atagcagcag 480
 caacaacctt tattttcaaa atgctgctgc cccaagc 517

<210> 14907
 <211> 244
 <212> DNA
 <213> Glycine max

<400> 14907

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 aaaattaata tgctggaaat tcgttgatgg aataaaatac cattgcatgc aacttgatgg 120
 tctgttgggtg gtaacctacc aaaacgcca ccttgtcctt ccccaacttt cttaaatttt 180
 taaccaaggg aattaaatta tcatcaatgt tatttccttg atgtcttgg cctgaaatta 240
 tcat 244

<210> 14908
 <211> 503
 <212> DNA
 <213> Glycine max

<400> 14908

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actaaatgac gattcagaag ctacagggga gatcggaata gctaacacac ccccttgcaat 120
 tggcttgtagt gttggatact ttaactcatt caatttccac cacattaataa tatcaaaatc 180
 tgaacttctt ggcaaaaactt cttctcttaa gtaatgatct aactctgttt tcatagttaa 240
 gttcttctt gttcttctt tttcttctt tttcttctt tttcttctt tttcttctt
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 aatgggataa aatgattcaa agtaaaactc aagcaactcc atttctgata ttggatctaa 480
 aacaatagca acttccatga tcacatgaat tacactccca taaaaatcaa atttttgtaa 540
 catctttttt ggcttatatt ga 562

<210> 14909
 <211> 530
 <212> DNA
 <213> Glycine max
 <400> 14909

attacattaa aataactaacc atattatttt aattattttt ttaaataat taaaggtaac 60
 caaattaatt attttcttat taacggaaat ctatattatc ataataatatt aaaatattaa 120
 cgttaaaggcg tttctttttt aactataact cgacttagtg gacacaagta ataatcacc 180
 actataagtc cgacaagata aatatttttt tctgtgtccat gcagttgctt attaagtgt 240
 catccataaa acttacaatt acttttttct taatataacc atattaaaat attaacgtac 300
 attaatatat taaatatatt atcataatat tcaaatttac taacataatt acgttaaaca 360
 tacgtataaa tcatattaac ataaacataa ttaatatata tatatatata tataatagac 420
 atataaaata cataacataa atgtgtttata tttattaata taaaataata acaatattat 480
 gaaacttctt attaaataaa tataatatgt gtattaacga ataaaaattt 530

<210> 14910
 <211> 634
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14910

agcttattga atatccacga ataacacact gtatatgtga agagattgca cactttattc 60

aatcatatga aaatgaattt tataagcctt acagacttga ctctcaaaac agaataacaa 120
 taataacaaa aaccacaaaa ctgcctgacg cataaaatag gattgtttat tgacacatta 180
 aaataactaa tattaatttg tatthtaatt ctcttttaat cactatagtt tgaaattgat 240

tattactcat attttgatgg gaagaactaa aatgaaaatc aaatataaag tatagggaact 480
 aaaaaggcca ctttcaaaat atagtgaact aaagaaaatt aaaatgaaa tgataaggac 540
 taataaatca ttttcaaaat acagagacta aaagagaatt gaaatgtgaa cttttatact 600
 taataaatta cttttaaaat ataatgacta aaag 664

<210> 14911
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14911

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 aatacaaggg atcacattca caaacaccat tcaaatatgg aaacgttact gatattccta 120
 ctgcagtggg ttggaggcaa aatggagctg ttactgcagt caaggaccaaa ggccaatgtg 180
 gtaatcaagt aacagagaac ttttatttat ttttttatca gcaggaatca aaaacaggta 240
 ccaggggagtt tacaataact cagctacctt gctcaatcat ctgagctaga ccacctggat 300
 taacacaaaag aaaatgaacc cttnattaaa gtgatactat tttcttttgt atatataatt 360
 gtcattgatgg catthaattaa aattgggttaa ttgttaaatt aattaacacag gtaactgctg 420
 ggcattttta acagtttctg caacaaaaag tatctaccac ataaagacag gtatgctaatt 480
 gtccctttt 488

<210> 14912
 <211> 390
 <212> DNA
 <213> Glycine max

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 acgttaacggg cttgcggcag gagtgttccac aaagaacatg gacactgcac acactt 356

<433> unsure at all n locations
 <430> 14915

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 tcagaggagg tcaaaagaagg gcatgagaaa agcgagagtt ctctcggaac ggtgtcgttt 120
 gatctgcaag aggtgcctaa aagagttcct ccggatagtc ctttggctcc gcagtggtae 180
 attctogaat ccgaaacctc gcgggcaaat gacgtcatgc ccgcggtttg gatcgggaet 240
 cangcgaag aggcctttca ngaggcttg cagtcgatt ccgcgggctt gatccggag 300
 acaagageta aagtgtatct ttctcccaag ctctgggtat ttagactaac ggtcatccaa 360
 acc 363

<210> 14916
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14916

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 tgcctctatt ntgcctttta gacatgaetc ttgcttcaat aacatgggtt gctagtcttg 120
 taaccaccaa cctagtacca ttgcataacc cttgtgattg atacatgttc cttaaaagca 180
 ttattggggg acccaccttt agttttatct tatgattagg aagaccaaatt gttctcaaac 240
 tattgagaaa ttcacttctg accacttcaa gtgcatttca ttcaaccatt ttgacttct 300
 caattgaata agaacttaga tattcccttt gatcactga aaacaattca ttaataaaaa 360
 cattgtagaa tcaatattaa ttattaaatc aattgattca tttgtgagat accggaata 420
 a 481

<210> 14917
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14917

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 tttttttaa tttttttaa tttttttaa tttttttaa tttttttaa tttttttaa 120
 tttttttaa tttttttaa tttttttaa tttttttaa tttttttaa tttttttaa 180
 aatttgtaaa ttaatttttaa ttcactctaa tgggttagac tttattttta gtgaatcaac 240
 aaaaaatattc ctctcgctgtg ctgttccacg tgtgtctcta gatactctnt ttcataattt 300
 cattgtttgg ttttaataaac agccaatgta ctgtttgtta taattgagag tagttccaggg 360
 aaaacaaaca atccaaagga attctatata tcatgaagct ctctgtaacc ttgatatgct 420
 tagctgtatg tccatctatg 440

<210> 14918
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14918

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 tttcgagctt ctcgatatgt gatttgccctg aatcggacat ccgtgtgaaa agttatacca 120
 gttgaatttc tcaagagctt ccgttgttca gtntgagcg tctcgatatg tgatttgccct 180
 gaatcggaca tccgtgtgaa aagttatgac catttgaatt tctcaagacc ttccgttggt 240
 caatttcgag cctctcgaca tattatgcga ccgaatcgga catccgtgtg aaaangtatg 300
 uncatttgaa tttctcgaga gtttccgatg ttttaatttcg agcgtatcga tatattataa 360
 gcatgaatcg gacatccgtg tgaagaagga tgaccatggt gatttctaaa gaactttca 419

<210> 14919
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 14919

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aaaaagtaat tgggtggttga atttgttcag agcttcaaca ttcaatttcg agcttttcoga 100

tatattttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 140

ttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 180

ttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 220

tatatattac gggactcaat cacacattcg agtaaaaagt tattgtcgtt tgaatttgat 300

ttagagcttct acattcaatt tcgagctttt cgtatatatta cgggactcaa tcagacatcc 400

tagtataaaa 429

<210> 14920

<211> 291

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14920

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gggtgggtcaat gacgagcctc tcgacatatt atgcgctcga atcgaaacac cgagtganaa 120

gatatgacca tatgagtttc tcgagagcct ccgtgggttc attccgagca tcttgactta 180

ttatgtgccc gaattctgac ttctgttgaa aaggtatgac catttgaaatn tctcgagagc 240

tctcgattgt taattttctag cgtctcaata tattgtaagc ctgaatcgga g 291

<210> 14921

<211> 261

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14921

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gccccaaaga ttggcggcac aaacggcgcg acgctcactt tgtgtttctg caccaaactcc 120

agcaangcaa ctatatcaaa ctccggaacg atcaaaaacg cagctcactc tcgaagcgaa 180

cacagcnaaa cagagttgag cgaataaatg tggaaatagt gcagaacaca cactaacaca 240

tcgtcgctgc gaaagtacaa a

261

<210> 14922
<211> 235
<212> DNA
<213> Glycine max

tccttaagttc ttccttaagta ccttaagtag gcttaacaa cttcttaagc ttccttaacaa
aggtntcttc gatctcgaca agttacacct agtgcataag cgacatcagg acgtgtacaa 100
gtcaatgggtg acaatgatagc tcccaactaca ctatgcataatg gtactctact caatgtgtctc 180
cttctcttcag aagttgttggg acaattcttc ctactaagag caattccaac accta 235

<210> 14923
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14923

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tatcttctctt gggtatagca atatctctaa gggctaccgt gtctacaact tgcaaaactaa 120
gaaactcgtc atcagtcgag atgttgaagt taatgagtat gcttcttgca attgggatga 180
agaaaaagtg gagaagaatg ttcttatacc cgctcaacta cctcaagaag aagctgatct 240
agaagaccca ggtgaaccac ctccaccttc accacaacaa caagatcaag aactatcctc 300
accagagtct actccaagac gagt 324

<210> 14924
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14924

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ttcaaagcct tggtcataat atctgctacc tgcaagctctg tcttacagtg ccttcaaatc 120
aatttgctct tgttcaactg atctctcagg aagtgggaac tagttctctat ggtgttactc 180

ctggcatgtg agaactggatt tttggccaaa tctatagcag atntgttttc caaccaacagc 240
 tccacagtcg cactcatctt cacattcaat tcttcacagca agtgtgtaat ccaattgggc 300
 tgacaagcag cactacaagc agaaatatat tgggtttcac atgtggaaag agcaatcagc 360

<210> Glycine max

<223> unsure at all n locations

<400> 14925

aaaagagagc tggaaaattt caagtggggtt gcttgaggac tggacgtana caennggaagt 60
 ggcgaaccca ctataaatca agtgtgcatt cctctctctc ttaaaacttc attatttatt 120
 gctaintatc tctgtctgta gagacgttta ttttgaattg tcttttgagt aattcatggt 180
 aatgtgtcat tgcataatca aaaagagaga gtagacgttt aattggcgaa tagtcttttg 240
 tatttaatte aacccccac cctctcttaa gataactgag gccatttgtc caacatccta 300
 tcttgataa ctcacttctc tctaaaaaga caaactttcc ggaatgataa aatgatgtca 360
 aatgaact 363

<210> 14926

<211> 228

<212> DNA

<213> Glycine max

<400> 14926

atgagcaact caagattcaa cagatgtgac atggaccatt gctgctacgt taagaaatat 60
 gctaataget atgttatcct tgcgtgtat gttgatgaca tgttgattgc aagatctagt 120
 atgacagaaa ttaacatggt tgaacagtag ttggcagaaa actttgaaat gaaggatctt 180
 ggtctagcta aacaaatcct tggatgaga attcttagaa acagatca 228

<210> 14927

<211> 335

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14927

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 acttcatggn tattctgata gttgatgggc tggatgtgct gatgatatga gaagtacott 120
 caggtatctt tntagctntg gttctagaat tntctcatgg tattcaaaga aacaggaagt 180

attctggtt aatcagctg caatctcaac ttcaa

<210> 14908
 <211> 205
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14913

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 gttgatgcac aatggccaag tagtggccta tgcttctaga caacttaaga ctcatgagac 120
 ggaatatccc aacctgatac tggagntggc tgcctggggt ttgcccttaa gatgtgaggc 180
 actacctgtt tggctcacag ttgag 205

<210> 14929
 <211> 229
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14939

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 tctctgaaca aggcattac gaaatgcata gttcacatct aactggtgaa gagactaacc 120
 ataggcgaga gccacagaga gaagaagtct cactgctatg ggcttgatga caggtgagaa 180
 attctcagtg taactgttc catattgctg atgaaatacc ttagctacc 229

<210> 14930
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

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gatgagtaat ttttctcttt agttcacggg acttggtata ttgcaactaa atctatctta 360
ctaactctat tattgttttt tgtttattac tag 393

<210> 14933
<211> 389
<212> DNA
<213> Glycine max

<400> 14933
tgagccttcc acaaatctct gaatgtgacc tgttataaaa ttgtttgaca cgtctataac 60
ctccaaagag ctgcttgctc tgtcatttat gattgttgat agtgaaccca ccagcagatt 120
atcatgcaaa tctatggaag acagtctctgt ttgtaatttg atttcagaaa tgtcaaacct 180
cagctgggttg ttgagagct tgacctcttg caagctggac atgtttgtga agaaatttga 240
aataccatcc accagatagt tatctgatag gtcaatagag ctgagagagt ccaggtcttct 300
gaagtggtga agatctcctt tcaatttgca ccagctaga tggacatctt taagctgctt 360
gctctctgac 370

<210> 14934
<211> 389
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14934

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caaaactaaa attggaagth ctaataatgt gntaaggaac ctcgacccaa atcaaggtct 120
atgtaatggt actagattag ttgtaacaaa gatggcaaaa catgtaattg cagctgaaat 180
tatchcaagt aaaaacattg gtctcgtctg ttatattcca agaattgtca tgtccctttc 240
acaatcacc cttggccgtta aactattaag aagataatct ctgattatgc tatcttatng 300
caatgacaat aacaagtcac agggacaatc actatnncat ggtggactnn tattgcgcga 360
accatattc actcatggcc aatttatatg 389

<210> 14935

<211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14935

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 tggcatggca gaaacccaat tggaaatctg caaggcctgg ttgacattnt taggttcagt 240
 tggguttaaa aaaagagaag gatgaaatcc aaactttgac cctgtttgca tagygtgttg 300
 ttagaaggtc taggaggaga ctcataatnt gagtgtgtag acttagagga agtygaagag 360
 gaacintgaa gaagatgata ccagaacctt tctt 394

<210> 14936
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14936

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 natatcgaga cgcgtcgaaat tgaaaaggga agctcttaga aaaatcaaac gacaataact 120
 ttttaactcgg atgtcggata gagcccggtt aaataccgag acgctcgaaa ttgaaaacag 180
 aagcttttgag catattcaaa cgacaataac ttttgactcg gatgtccgat tgtgtcccg 240
 agtatatoga gacgctcgta attgaaaaca gaagctttga gccaatccaa acgacaataa 300
 ctcttatctc ggggtgtccga ttgtgtcccg tacttatatcg agacgctcga aattgataac 360
 tgaagctctg aggaaaatca aacg 384

<210> 14937
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14937

agcttatatt gatttctttg aacctatct ttaetctttt tcatacccc aacaagaaag 60

aaccacaact taggaaccaa catgattgat cattcatcta gtgttaatag taagggtact	120
agtcatacgg accctctatc tagaatatta agtgagttga gttccctcaa gttatggaaa	180
gaacaactag aaagaaaatt aaaaggaaaa gaaaggytag aaataagtaa agatgagagg	240
ttctctatca ctctctctca cctctctca cctctctctca cctctctctca cctctctctca	300
ctctctctctca cctctctctca cctctctctca cctctctctca cctctctctca cctctctctca	360
aggaaagcat aggtcacatt cttagacctca ctctcatagg agaaaaaaag gaaagaaagg	420
ctcaagaggg taacattaac ctctcatact tccatgggaa ggacaat	480

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<210>      14939
<211>      358
<212>      DNA
<213>      Glycine max

<423>      unsure at all n locations
<400>      14939

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aggcgttttct agttgaactt ctccacctcg ctccattgtga tttctcgcaa tggctcttgc      120
tcgatccact tggtgaaagta gttgatagcg actagtaaat atttgactgc tcacgattca      180
acaattgtcc taqtatgttc attcccccata tggcgaaggc ctaaggaggaa ctccgggtgt      240

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ggagattgtc aggagaggtg cggggaatgt cagogaattc ctggcactgt ctacacttct 300
 ttgtgaagtg gatggcggtta gccatgagtg ttggctaata gtagcttgcg ttcaccac 358

<200> unsure at all 11 locations
 <210> 14940

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 ctcgaaattt aaaacccgaag ctactagcaa attcgaaaca caataacatt tcaatcgga 120
 gtctgattga gtcccgtaat atatacggga cgttagaaat ttaaaaacga agatcgtagc 180
 aaatttgaac gacaataact ttccagtcag aagtctgatt gagtcgagta atatatcgag 240
 agcttcgaaa tttaaaaccc aaacttgaag catattcgaa caacaataac atttcactcg 300
 gaagtcogat tgagtcocgt aatatattcg agacgctaga atttaaaacc gaagctcgta 360
 caaattcgaa cga 373

<210> 14941
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 14941
 gcttaacacc ttgcaagttc tccatatttt caatgtatta atagttgctg aaccttgtct 60
 ttatctctct ctaactacag gcaaaatttt cctgaaatcc ctacccaaaa tcacaacctt 120
 tccacccaat ggtttatgga tgcctatctt aaattgaaat cccattaggt ctaaggtgcg 180
 atcaaacact tcaaaagcaa acttggtcat catgggcgct tcatcccaaa tgattagttt 240
 agcttctata agtagttttg ctcaattggt gccttggttg atattgcaag ttaaatcctt 300
 attgataacc aatggaagac aaaaggtgga atgagatggt ttatctccag gtaatagcaa 360
 agaagcaatt ccacttgaag caacattaag gacaatg 397

<210> 14942
 <211> 379
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14942

cgcaaaaagnc attcaaaaacc gnnccaattt tcaacgcctt aaacggctct ctttgccttt 60

ttttgtcga ccaacccaag aggttcgtta tggccaacg ccttaacgtt tttctcttt 120

caaaaaacaaa agatcgtctaa tggccaacg ccttaacgtt tttctcttt caaaaaacaa 300

agatctcctt aatgggtctaa tgccttaacg tttctctctt ttcaaatca aaacatcgtt 360

tcaagggccca acaccttaa 379

<210> 14943

<211> 369

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14943

agcttgaatg ctctattcaa tggagttgac aagaatatct tagactgatt tacacatgna 60

cagnggccaa gcatgcatgg gagatcctga aaaccactca tgaaggaacc tncgaagtga 120

agatgtccag attgcaacta ttggccacaa aattcgaaaa tctgaagatg aaggaggaag 180

agtgtattca tgacttccac atgaacattc ttgaaattgc caatgctcgc actgccttgg 240

gagaaaggat gacagatgac aactgggtga gaaagatcct cagatccttt gctaagagat 300

tngacatgaa agtcacttga atagaggagg cccaagacat ttgcaacatg agagtggatg 360

aactcattg 369

<210> 14944

<211> 390

<212> DNA

<213> Glycine max

<400> 14944

agaggagtgt tgatcacaaa cccatcatat caetttaggtg caacaattca acgcacggtt 60

ctggaggagc ttcttgaactc ttgactcgc aagaacatac aacttgcctc agatgaaatc 120

TACTCAGGCT CGGTGTTTTC CTCCTCCGAA TTCGTGAGTG TAGCAGAAAT CCTCGAAGCT 180
CGCCAATACA AGAACGCAGA GAGGGTTCAC ATTGTTTATA GCCTCTCCAA AGACCTTGGT 240
CTTCTGGGT TCAGAGTTGG AACTACTTAT TCATACAATG ATAAGGTTGT GACCACAGCG 300

<211>	14945
<212>	355
<213>	DNA
<214>	Glycine max

ctgtaacagac catttcagtcg ttggaggacc ttttaagagc atgtgtctta cagcacaagg	60
aaagtctggga gagtcttctct ccattgatag agttcaetta taacaacagt ttccattcta	120
ccattggcat ggctccctat gaagctttgt atggcagaag gtgtagaaca tccctatggt	180
ggttagagcc cggagaaggc ctcaccttan gaccagaagt ggtacaacan accactgaga	240
aaattaagtt aattcacgat aggatygaa ctgctcagag taggcagaaa aagtatcatg	300
ataagaggag gaaagatctg gaattcgagg gtggtgatca tgtattcttg agagtcactc	360
catgg	365

tatgctgcaa	atatttacaa	tatacctcct	cattctcagc	agcaaaatca	accacagcag	60
aacaattatg	acctctccag	caatagatac	aacctctggat	ggagyaatca	ccctaacctc	120
agatggtgca	gccttcagca	acaacaacag	gagcctgctc	cttccttcca	aaatgcttgt	180
ggcccaagca	aacctatgat	tctctcacca	atccaacaac	agcgacaacc	gcagaaacaa	240
ccaacagttg	aggccctctc	acaaccttcc	ctcgagaaga	ttgtgaggca	aatgactatg	300
cagaacatgc	agtttcagca	agagaccaga	gccttcattc	agagcttaac	caatcagatg	360
gcacaatt						369

<210> 14947
 <211> 330
 <212> DNA
 <213> Glycine max

atcacacata aatttaacga ttatgtaaga actacggaag ttatgaattat taatcgcaat 121
 ttaggataag taggagcaaa agctccgctt ttgtcgacca ccccaagagg aaggtaatgg 180
 tccaatgcct taacggttct ctcttttcaa aaaccaaga tggttgatgg tccaaagcct 240
 taacggtttt ctctttttaa agaaacaaga tctctttaat ggtctaattg cgtaaagctt 300
 ctctcttttc aaatcacaa catcggttaa 330

<210> 14948
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14948

agcttgaatg ctctattcaa tggagttgac aagtatttct tcagactgat caacacatgt 60
 acagtgggcca aggatgcatg ggagatcctg aaaaccactc atgaaggaac ctccaaagtg 120
 aagaatgccca gattgcaact attggccaca aaattcgaaa atctgaagat gaaggaggaa 180
 gagtgtattc atgacttnca catgaacatt cttgaaattg ccaatgcttg cactgccttg 240
 ngagaaagga tgacagatga naaactggtg agaaagatcc tcagatcttc gcttaagaga 300
 ttngacatga aagtcactgc aatagaggag gccaagaca ttngcaacat gagagtngga 360
 tgaactcatt ggttcttcca aacctttgag ctangactct cggatagggc tgaaaagaag 420
 agcaagaatc tggcggttcgt 440

<210> 14949
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14949

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 tggtaatcaa ggttttaaaaa aaaaagtctg caacatcaag gtttccaggt ggcagggaga 120
 gggggagago taataacaaa atcaccacat caaccaacac aaatctcaat atctatcaac 180
 ggtgtgtgtg ggtgtgtgtg ggtgtgtgtg ggtgtgtgtg ggtgtgtgtg ggtgtgtgtg
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 tatatcaatc tggagcctaa gacctacat cccgtgagt agaaaagtgg aacgtgagag 240
 cctgtgcatt atctctctgc cctacacggc gagtctctgg ctgtggagat cctcatcgat 300
 gt 360

<210> 14950
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 14950
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 atcgaggtac tgaacaaaaa catcaatgag atatggacca acataagaag ccaaagtgtt 120
 taacaatata agaaaagtgt tgataagaat ctcttccat gctgaaatta ttaacgattt 180
 caccaacttc agtgtggtga cactattaat tccaccacaa tcagcctcaa cttctctctt 240
 gaaaagttyga aaagcaccac ttacactatc tctgtgtgt agttgaggaa cctctcaag 300
 gtccaggggtc ttcttattac caacggctat aagaggaccc acccaagaga aggtaagaat 360
 gctcaaaaatt ccagcatatg agaaaggggt aactga 396

<210> 14951
 <211> 250
 <212> DNA
 <213> Glycine max

<220> unsure at all n locations
 <400> 14951
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 aatgtctcga gagcttctgt tctcaattg cgagcgtgta gatattctat gcgctgaat 120
 cgggcctctg agtgaaaagg tatgaccatt tgtatttctc gagagcttcc gatgttcaat 180

tacgaggggtc ggcgatgtgt atgtgcacga ctgcgaacatc cgagtgaat gttctgacgt 240
tggaatgtct 250

<210> 14952

<211> 331

<212> DNA

<213> Glycine max

<223> unsure

gattagact acaggggag gacctttca ggttttgag aggaacata tcttgcata 60
taggttggac ctcccagaag agtatggagt cagcaccact tttaacattt ctgatttaat 120
tcttttttga aatggagctg atattgagga tgaagaacta acagatttga ggtcaaatcc 180
tcttcaaggg gaaggggatg atgcaatctt ccttaggaag ggaaccagtc ctagagccat 240
gagcaagagg ctccaagagg attgggctaa agctgttgaa gaaggcccta gggttctcat 300
gaacctcagg gtagatttct gactccatgg gccaacgttg ggtccaatta tctttgtaca 360
tattagacta ggatgtcatt atattt 386

<210> 14953

<211> 327

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14953

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caagtgtgac gttgggatca aaatggagaa acaacgagaa gaagagaaaag ttcataaatt 120
cttgatgggt ctagatgatg ttttgaacgg tacggtcctc totaaccttc ttgcaactga 180
tcccttgctt acattaaata gagtgtatgc cactttgggt caagaagaaa gagtgagaac 240
catatctcgg ngaaaggagg aacgaggaga ggtgtttggg ttctctgcac aggcctcgtg 300
aagaaccata ggactcgtg aatcaaa 327

<210> 14954

<211> 352

<212> DNA

<213> Glycine max

<400> 14954

cctgattagc agccattgga gtttttttgc cttctaaact atcaactatt gtggtgaatt 60
 aatgtttctt atggattcct aaggtattct cctcttattg agccgggaat caggactagt 120
 attcagcgga taggtcatca gtttgataag atgtgttata tatttataga atgcggaaaa 180
 ...
 tgggttatt tgaaccata aaatacacac ccttgaaaag gagtgattat gg 240

<210> 14955
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14955

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 ttttgatgtg aaacatgttt ctactcetta tgactcattc attaagttaa agaaaaattt 120
 gagtaaatga attttttcac ataaatatcc tcaaattatt ggttctttgt cacatttgac 180
 aaaattctct aggcctgaca ttgcatatgc aattgataga ttagaaaagta attgagggat 240
 ttagtgatgc aaattggatt tctgattctg atgaaataaa atcgacaagt ggttatgtct 300
 ctacttttagc tggcgggtga gtatcatgga aatctgttaa acaaactatt atttcacgtt 360
 ctaccataga agcaanaact att 383

<210> 14956
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14956

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 tgaatggaaa ggtttgttct ctaatcattg atggtgggaag ttgtaccaat gttgcaagca 120
 ctaaattagt ggagaagctt ggttaaaaaa caccctcacc cctaagcctt ataagttgca 180
 atggttgagt gacaatgggtg agttgggtgt ggataagcaa gtgttaacta cattctccat 240
 tggaaaagtat gttgatgaag tgccttgtga tatggttccc atagaagtcg gacatgtgtt 300

acttgggaga ccttggcaat atgatagaga tgttgtccat aatggggta ccaatogata 360
 ttctttcttg aataaaggta aaaagttagt tctc 394

<210> unsure at all n locations
 <400> 14957

aacaacgggt cacaaatggt ggagagctgc gatatgaatc tggcaatata attcaagcgt 60
 ccagggaaac ctgggaattg cctgtctgta cggagttctg gcctctcaag gatagccttc 120
 acctttctgg agtctacctc tatcccttcc tggcttaca tgaaccaag caatttcctt 180
 gattcgaccc caaaggta cttagcgggg tccaacctta attgatattt attaagcctt 240
 tgaacaaact ttgcacgat gacaagggtg tcttactcag atttagattt agcaattacg 300
 tcttcacgt agacctcgat ctcttgatgc atcatatcat ggaacanagc taacct 366

<210> 14958
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14958

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 gcaagttgaa agccttggag gaaagaggtg tgccatggtt gttgtggatg attctctcag 120
 atttacctgn gtcaacttta tcagagagaa atcagacacc tttgaagtat tcaaggagtt 180
 gagtctaaga ctccaagag aaaaagactg tgtcatcaag agaatacagga gtgacctgg 240
 cagagagttt gaaaacagca agtttactga attctgcaca tctgaaggca tcaactcatga 300
 gttctctgca gctattacac cacaacaaaa tggcatagtt gaaaggaaaa acagga 366

<210> 14959
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

gagatagatg gtctgaagag gatagaaaac gagtacaata caatttaaaa gccaaaaaca 300
 taataacatc tgcctggga atggatgaat atttcagggg ttcaaattgt aagagtgtca 350
 aggaatgtg g 371

<213> Glycine max

<223> unsure at all n locations
 <400> 14962

tgacatctga tgtgtggaca tctgtactt cttatgttat atttcattaa ctgcgcatta 40
 tgttgatgca aattgggaagt tgaatggtaa aatggntaat tttctcatt tctctctcc 120
 aactcgggg cytgagatgg cttaaagttat atatgnttt ttttggaga atggtggatt 180
 gaggacaaaa tatttcatt aattctagat gatgcttctt ccaatgataa aatgcaagac 240
 tatttgaagg aaagaatttt gcataactaat ggtttagtaa gtgggtggtga attttttcat 300
 atctgatgtt gtgctcacat ttt 323

<210> 14963
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14963

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 tatteaggac gcttaaaaat ggatggtgaa acttttaacc cattcaaacc aacataactt 120
 tttactgga agaattgatg aagtcggaa tataacgaga cgctcgaaa tgaatgttga 180
 agctctgagc ccattcaaac gacaataact tttactcgg atgtctgatt gagttcgtc 240
 atatatcgag acgctcgaaa ttgaatgttg aagcacttag ccaattcaaa cgacaataac 300
 ttttactca gatgtctgat tgagtgcgt aatatatcga gacgtcgaa attgaatgtt 360
 gaactatga 370

<210> 14964
 <211> 379

6310

acatgcgagt gaaaacctat gaccatttga atttctcgag agcttcccggt ggtaatttc 180
tagcgtctcg ataogctatg 200

<210> 14967
<211> 127
<212> DNA

<400> 14967

acaatattta ctaatagaat taatgagttt aatgttaata tgatatnttt attttagata 60
gaaataaagt attgtttgtag catgataaaa tataaataaa atcaagatag agataaaaaa 120
aactttaaaa agaaaaaaa catgagtgta ttttaattta taaattatgt gagctaacia 180
ttaagtgggt tegtatctac taattaattt atatataata ataaattaaa ttataagata 240
tgagttgagt tgagttgggc tgagttgaat aaaataaaa ctgttaccac acttttatnt 300
gatcgggtct taattgggtg gggtcatgnt tgacctgaag aacactctaa aaacttaate 360
caatataatt agatcgnagt gagtcat 387

<210> 14968
<211> 267
<212> DNA
<213> Glycine max

<400> 14968

tcagatatct taagaaagga ggggtgaatta agatattgca aactatctcc ccaattaaaa 60
ttctatttca cttcttatcc aagttacaaa ttcccttaac aatgaactct taaataatga 120
ttcaaataga acaatctgaa tataaatatt aaataataat aaataaaaaga ggtcaaggga 180
agagaaagtg caaactcgga tatatactgg ttccggccaca ccttgtgccc tacgtccatt 240
cctcaagcgg cttgagagtt cactatc 267

<210> 14969
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14969

gcttatctac ccacacnctt ctattaacta tattattctt cttgaaaata attacngata 60
 aaaataaacac aacaaatata atcaaacac aaacataatt actaataata tatagatata 120
 tatcaagggtg ttacaactct cccactctct tagaaatttc atctctgaaa tttacgttac 180
 taaacaaatg aacaaatata atcaaacac aaacataatt actaataata tatagatata 240
 gcttatctac ccacacnctt ctattaacta tattattctt cttgaaaata attacngata 300
 tttacgttac tagaaatttc atctctgaaa tttacgttac tagaaatttc atctctgaaa 360
 ttgaacgctt agaggtactt ggcacccatc tgtgcacaat atctctgaaa ttgaacatgc 420
 cagaaatcaa aaggaagcat tgtacacaat cc 482

<210> 14970
 <211> 315
 <212> DNA
 <213> Glycine max

<22> unsure at all n locations
 <400> 14970

cctcggatcc ctgtcagata caatactaga aggaattcca tgcaacotta ctacttctt 60
 gatgtacaac tccactagct tctccattct ataacttcata ttcactggga taaaatgagc 120
 agatttggtg agtcgatcta ctatgaccca cacagcatca tgttcaagac tagtcttggg 180
 taaaactagat acaaaatcca tagagatgct ctgccatttc caattcagaa ntttcaatgg 240
 cttcaattct cccgatggtc ggtgtgctca acctagcctt ntacatgtaa acatcttgc 300
 acatattcagc tacat 315

<210> 14971
 <211> 398
 <212> DNA
 <213> Glycine max

<22> unsure at all n locations
 <400> 14971

acaaaactcct taaaacttgg taaataaatt aaacgtgaaa ataaaaaata aaaaatcaaa 60
 gctactgatg cacacgttca aacactcttc ctgcaccaa tagggccaaa ttctaagtct 120
 ttctcttaaa tcttcaaata tgccttttgc aagagaactnt gtgaatatgn ttgctagtgg 180
 atcttcagtt ctgcaatact ctagtctatc tacaccatct ntttgaacat ctctgatgga 240

gagtagttty atgctaacat gnttgggtctt gccatgaaaa actagattgg ttgagatagc 300
tatagccact tgattatcaa ccattgacttt ggtactcatt ntntgctcta agtgcagatc 360
atttaanann attctcaacc atacagcatt attaacat 398

<223> unsure at all n locations
<400> 14972

gcttagtgac atccgtgact tgatcttgag ttaagatggt ccgaagttag atnctttaga 60
atctccagct cgtgttctct attcagcatt gaatactgaa ggcaggggaa ggactaccca 120
gaaggggtcag aatgggtcag gcttatcata gtcaagaggg aaaggtcaca gaaaatttca 180
aagtgaagat acttggttga attgtgacaa gagaggtcac tttagcaatc agtgcaaggc 240
accaagaag aacaagtcgc acaaaaaaa aaagcgcgat gatgatgaat ccgctaattgc 300
agcaactgat gaactagatg atgcattaat ttgcacgttg gatagtcctg ttgagtcatg 360
gatcatggac ccangtgctt cgttccacac tactccctct 400

<210> 14973
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14973

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atttaaatat ntctggctct tctagaacca tatgcattag agggaaatcac tatgctttga 120
ttattgtaga tgattgctct agatatactt agactttatt ctatcttctt tgagtaatgc 180
ttttaagtc ttcaaaaaac ttgccaagct tattcaaaat gaaaaggaat tcaaaattaa 240
aagtttgaga agtgaccacg gaagagaatt tcaaatgac tctgaattgt ttgtgaaca 300
aatggcatt aatcgtaact ttccgctcc aagaacacca caacataatg g 351

<210> 14974
<211> 400
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14974

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caacaattc tagatctat aactatgta gcaataggc caaatctct catcatggaa 120

ccatatgcac ctccctgtgat gtgcctccca atccccaaagg ttgtgcaaaag goctgcaagg 180

aagccatgaa ctgcactctt ctctgaaatc ctgtagttaa ctccaccaat agtggcaccg 240

gcttggtacc aagccgtgtt tctgccaata tcaacattca ct 300

<210> 14975

<211> 456

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14975

gagcgttggg ngttttctgt gccaatagc ttcttttttt tccagncttc ttctggcttc 60

aattcatcag tgggttttcc ttctgtgtcc agcatcttgg gatgtcccca goctttgatg 120

acagctttcc aggttctgct atccagtgt ttgaggaagg ccaccattct tgcctttccag 180

tattcatagg tgcctacatc aagaatagg ggtctgtcca ctggctctcc ttctttctcc 240

atgttcatca caatttatct gccagatct cactctgtga ttaagagtgt ttgtctgtat 300

accaattgaa attctgatac cagaggacag atagccgacc cgacgtcacg acatcacgct 360

tcagaacatg cagttgatgt gcgtccgtat gaacagatta nacaagtaat atcacaagag 420

aattgtttacc caggtcggag cacttaacct acatgt 456

<210> 14976

<211> 414

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14976

agcttatgca gcanatatat actatagacc ttctcaacct cagcagcaaa atcaaccaca 60

gcagagcaat tatgaccttt ccagcaacag atacaacctt ggatggagga ataccctaa 120
 cctcagatgg tccagccctc agcaacaaca acagcagcct gctccttctt tccaaaatgc 180
 tcttggccca agcaaacctt acattctctc accaatccaa caacagcaac aatccagaa 240
 gatgggacaa ttggctaccc aattgaatca acaacagtc cagaattctg acaa 300
 gatgggacaa ttggctaccc aattgaatca acaacagtc cagaattctg acaa 360

<310> 14977
 <311> 392
 <312> DNA
 <313> Glycine max

<400> 14977
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 tccacaagc tacgtaattg atatggaata ttacaaagat tcacaacaaa atcactatta 120
 gaaaataatg ttttaacatc agttattaag gactctcaac atcagttatt gacattgaaa 180
 gtaatactgt taacatcggt ttcccaaac cgatgttata ataaaatgac aacatcggtt 240
 ttttaataa ccaatgtag atattaagaa ttatataaaa aaaagtcata tatcttcata 300
 tcaacatcgg tgtttaccag aaccgatgtt aacttattca tacaacaatc gggttttaaat 360
 caaaccgatg taatatatac atacaacatt ga 392

<210> 14978
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14978

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 tggaggccat ctctctcaatt aaattcttgg ctccagcagg agtcatgtct ccaagggctc 120
 caccactggc agcatctatc atactctctc ccataattact gactctctca taaaagtatt 180
 ggagaagaag ctgtcttgaa atctgatgtt gggggcaact ggcacatagt ttctttaaate 240
 tctccagta ctcatacaag ctctctccac tgagtttgtt aatacctgag atactcttcc 300

taatggctgt ggctctggaa gcagggaaaa atttttctaa gaatactctc tta 353

<210> 14979
<211> 147
<212> DNA
<213> Glycine max

cttaatatct cgagacgctc gaaaatgaat aacgaatgct ctcgaggaat tcaaattgtc 120

atatcttgct aactgatgt cccattc 147

<210> 14980
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14980

agcttgtagc anattgcaaac ggcaataacg ttttactcgg atgttcgatt gagtcacgta 60

atacatcgaa acgctcgaaa ttgaaaacag aagctctgtg caaattcaaa cgacaataca 120

ttttaactcg gatgtccgat tgagtcctcg aatatatcaa gacactcgaa attgagaata 180

aaagctctga acaaattcaa acgacaataa ctttttactc ggatgtccga ttgagtcacg 240

taatatatct agacactcga aattgagaat agaagagctg agcaaattca aacgacaata 300

acatttactc cggatgtccg atggagtcct gagcgtctcg atatattatg cgcctaaact 360

ggacatcga gataatagtt atgactatct taat 394

<210> 14981
<211> 297
<212> DNA
<213> Glycine max

<400> 14981

agctattctc tcttatgtcc gatttcggag tatattagat cgagacactc gacattgagc 60

aacgttagct ctgagaaaat tgaaatggtc ataactctcc acacggatgt ctgactcaga 120

cgcatttatc aattagatg ctcgaaattg aaccactgaa gctctctaga caactcaaata 180

tccataaact tccactcgtg ggcccgaaac tggccatct aatctcagac ggtcgaattt 240

gaatccaat ctgcttgaga aataactaacg ggctaactc tccatccggg attatcg 297

<210> 14982

<211> 414

<212> DNA

<213> Glycine max

gcttcagctn tgtccacaag gcttcatggt ttctgtcca aaatcgctaa ttgaacctcg 61

gacccctgtc tgatacaata ctagaaggaa ttccatgcaa ccttactact tcccttgatgt 120

aaaactccac gaggttctcc attctatact tcatattcac cgggaataaaa tgagcagatt 180

ttgtgagtcg attctactatg acccacacag catcatgcc cactgctagtc ttgggtagac 240

tagatacaaa atccatagat atgctctccc atttccattc cgggaatttc aatggcttca 300

attctcttga ttgtctgttg tgcacaacct tagccctttg acatgtcaaa catcttgcta 360

catattcagc tacatcttcc ttcatgccat gccacaaaaa acttctcttc aaat 414

<210> 14983

<211> 364

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14983

agcttgtaag gtagtcatat ctcacaaaat atatgtatgt gtgttttaggt agcaagatac 60

cttgggatatg catgtatata acanacatac ctcacanaat atatatatgt atgttttaggt 120

agcaagatac cttgggatatg catgtatata gcanaaatat ctcacaaaac atatatatgt 180

atgttttaggt agcaagatac cttgggatatg catgtatata gcanaaatat ctcacaacat 240

atatatatgt atgttttaggt agcaagatac cttgcacaca catgtatata gcaaaacacc 300

tcacaaaaat atacatatgt ttaggttagca aatacccttg tggaaagaga aagagatata 360

aaag 364

<210> 14984

<211> 314

<212> DNA

<213> Glycine max

ggtatgaata cttgacttat tagggtttag ttttacttga ccaattatgg tttacgggtta 240
 ttttaacaaca tttgggtttat ggctacatga ctaaataggg tttagcgata tttgatagat 300
 aagggttag gtttacttga ctagtggg 360

<213> Glycine max

<223> unsure at all n locations

<400> 14937

ctagcttgat ttcctttggt ccggaacct ttttttctt atgtgcaccc aaacccaatc 60
 tccgggttcg aagacaacct tttttctcc tttgttgggt tgtttagcat agcttttatt 120
 tttctcttta atttgatctt tgactctct atgaagcttc ttcacatagt ccgcctttgc 180
 ttgaccttct ttatgcttaa naacagatac attaggcata ggcaaaagat caagaggagt 240
 tagtgggtta aaaccatcaa cagcttcaaa aggagaacaa ttagtgggtgc tatgaacagc 300
 tctattgtaa gcattatcaa catggggtaa acaagcttcc caagttttta agttcttctc 360
 caaaact 367

<210> 14938

<211> 373

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14938

ggatanntaa tgggagcatt ttttttctt ttaaggaaaag atggacgacc acttttagtgc 60
 tggttttgcc taacccgaga gaaccatttg aggtgtattg tgatgcacca aagatggggt 120
 taggtggagt gttgatgcag aatggccaag tgggtggcta tgcttctaga caacttaaga 180
 ctcatgagag gaattatccc acccatgac tagagttygc tggctgtagt ttgcccctta 240
 agatttggag gcattatctg tttggctcna agttcgaggt gtttagtgat cataagagcc 300
 ttaaatattt gtttagtcag aaggagctga acatgagaca naggagatgt gttagagtcc 360
 ttaaggatta tga 373

<210> 14989
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 14989

atattctagg attcaatcag acatccgagt aaaaagttat tttcgttaga attggctgag
 aggttcaaca cccaatttcg agcgtccga tatattacgg cactgaattg gacatccgag 240
 tgaaaagtta ttgtcgtttg aatttgctcc gagcttcaac attcaatttc gagcgtctcg 300
 atatattacg ggaattcaatc agacatccga gtaaaa 336

<210> 14990
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14990

agctntaagc caattcatac gacaataact ttttactttt atgtctgant gagtcccgta 60
 atatatcgag acgctcaaag ttgaatgitt aatctttaag ccaattcata cgacaataac 120
 ttttactcgg gatgtctgat tgagtcocgt aatataacga aacgctcgaa attgaatggt 180
 taagctttga gccaattcta acgataataa ctttttactc ggatgtccga ttgagtcctg 240
 taatatatcg acacgctcga aattgaatgg tgaagctctg agcctattca aacaacaata 300
 actttttact cggatgtccg attgagtgac gtaatatatc gggaccgctc gaaatgaatg 360
 ttgaacctct gagccaactc aaacgacaat aactttntac toggatgtct gattgagtc 420
 cgtaatatat cgagac 436

<210> 14991
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14991

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tttcatgtta tcatatatgg taatatattga tccatatata ttgattttta actacttaat 120
 ttgcagtcctg tacacettac tttagcttat gcaccaacgt tttcccgta atgtataaga 180
 atcacacaaa atgagacaag ggccacttta aagtcacaaat agtccaagta agagcttttg 240
 atctctctctg tctctctctctg tctctctctctg tctctctctctg tctctctctctg
 tctctctctctg tctctctctctg tctctctctctg tctctctctctg tctctctctctg
 atatngtaaa taacaatgta attataataa gacaataata actataata agtataat 400
 aactaaat 428

<210> 14992
 <211> 215
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 14992

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 tctcctttct tctccatgt tcatcagaat ttatctccct aggtctcact cagtgatttc 120
 gagtgcctgc tctgatacca attgaaatc tgatatggng gacagatgta gtaccggatg 180
 tcaagacata acgcttcaga acatgccaga tatat 215

<210> 14993
 <211> 424
 <212> DNA
 <213> Glycine max
 <400> 14993

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 tgaagctttg agattaacct ccagctagca tggcacaact tcttattcca taccagtaa 120
 tgccttttga ctaaaagtaa gcctgacacc ttttgatttg atagatcacc aagtttaate 180
 ttatagtgat ttccttgtct cttagtagac aagagtaaag agttgtcctt gttttggatg 240
 atacacatat ccttggttaa gttaaaggtg acattgtatc cactatcata caattgactt 300
 atgctcaaca aattatgctt caatccttta acaagtaaaa cattattgat agaaggataa 360
 taaggaatac aaaccttacc tacacctatt attagacctt tctgattccc tctgaaagtg 420

acca

424

<210> 14994
<211> 438
<212> DNA
<213> Glycine max

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actatagcat cattttctggc gctaaactgc tgggagttgg aagccatctt ctcaattaaa 120
tttctggctt tagcaggagt catgtctcca agggctccac cactggcagc atctatcata 180
ctctctcca tattaactgag tcttcataa aaatattgga gaagaagctg ctccgaaatc 240
tgatgggtgag ggcaactggc acatagtntt taaatcgtc ccagtaactca taaggtctct 300
ctccactgag ttgtctaata cctgagatat ctttctgat ggtctgtggtc ctgggaagcag 360
ggaaattntt ttctaagaat actctcttaa ggtcatccca gctcgtgatg gaacctggag 420
caaggtaata cagctagt 438

<210> 14995
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14995

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gttccaaacca aggcctgtctc aaagacacat tttagattat tcaagggttg gataccaagt 120
ttggacata tagcgtttg gggatgctc tctgaagtaa gaatttataa tccacaagag 180
aagaaactag accctaagac tattaactggn tatttcattg gatatgctga aatgtctaaa 240
gggtataggt tctattgtct atcccacaac actaggattg tgaaatcaag gaatgcaaag 300
tttcttgaan atgacttgat cagtgggagt gatcaatttc aaaacatttc ttctgaaagg 360
gateactatg aagctgaacc ttctgggaca ngtaataggt ngtagtcatt ctacccctc 420
aagtaaaatg g 431

<210> 14996

aatttgactt ttatccttct ttgggtctt cccaaataca gtattcatgt gttcaaccg 300
ctgatatacc tac 313

<400> 14444
<400> 14444
<400> 14444

<400> unsure at all n locations
<400> 14999

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ctcaaatccc aaacttccac aagataaat gcctttcaac cgttgcctgt attacctctt 120
tttgttatgc attaattgga agcgggcttt ctctggcaag agttgtatca cgtatgagct 180
ccacctatat ctttccaaaa gctgtccatc attcattcca gaaaatatat gctacatttt 240
tttatcagca aatgttagtt tcttagaatg ttaattttgt tagcagaggg attgaacatg 300
taacctttct tcttttctct tctcctttaa ccatccagcc cactatatat ctgttacaat 360
tttatactag atatttctta agtcactca ttagctta 398

<210> 15000
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15000

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gcaagtttgt gcagcccaga tacgcacact gctatataaa catgaaggct gcacgagttt 120
cttaccaagt cggggattga agagttatct tgtgagtttt gggacttgag tgtttttgtga 180
gccacottga tgttaccta acatcaagtg ttggacctga gttgtgtagag ttgatctcta 240
atgttcagag agcaatctct ggtgtgtctt tgatttaatt gtaaacaccg gagagtgatt 300
gagagggagt gagaggggtt ctcatatc 328

<210> 15001
<211> 446
<212> DNA
<213> Glycine max

<400> 15001

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ggaagcagaa tggagaagga agaaagatga ttggagacgc cacttcaagg agaagatgag 120
ggaagcagaa tggagaagga agaaagatga ttggagacgc cacttcaagg agaagatgag 180
ggaagcagaa tggagaagga agaaagatga ttggagacgc cacttcaagg agaagatgag 240
gttcacacaaa atttggaggaa aatttgaatt tttattcaaa tttcacttga atttgaaatt 300
gaatttgttg agccaaaatt tcaactaatta tgattagyya attttagcta tgggtcacc 400
tactaatcca ggaacaaagtc taagat 446

<210> 15002

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15002

gggaacaaga atctaaacct tgtctttagt gaactgaact aattcttcc ccattgttgn 60
gaaccaagaa tcttcaactca atgcttcatt aatgttttta ggtccaatgg atgagagaag 120
atccatcatt cctctttttt tattcaagga tgcctctgtt ttgaactcag aagatgtttc 180
tccaatgatt agatttggag gatgtgaata gacaaacctc atatctctag gcatgtttagc 240
ttctattttt tgtccaaagc tttgtcttcc tgaactctcc ctttttgagc tatcttgtaa 300
agatcttctt aatttttctt tgggcatct anctacgtg tagtgttctg agtatgctg 360
argatcttta ttcttttcta gttcttctaa atctgcaatc cttctcttct caagtgtact 400
atca 424

<210> 15003

<211> 421

<212> DNA

<213> Glycine max

<400> 15003

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 ttttaccaaa gagttttttac tctctagtaa tggattacta gattattgta atcgattacc 180
 agtagtaaaa tggatttgaa aaagtttaca acgttccaat tgatttcaaa atgttgtaat 240
 ttttcaat ttttcaat ttttcaat ttttcaat ttttcaat ttttcaat

421

<210> 15004
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15004

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 aaaccatntc attcattaca ttagcacatt cagcaacaac tttatagctt gtagaaccta 120
 taaaaataca ttactagtat tagttcttga ataaacacaa atatcaattt aacaacatat 180
 atgaataaaa ctctaccgtt attttcagca ctccacaaca aacttctagc gcacattaaa 240
 gctctaaaag tagtcatttg aagtctacta cgatgtgggc ttaatacttg accaccagtg 300
 cttaatgcag attctgaagc tacggtagat actggaatag ctaatatatc cttagcaatt 360
 gcttgaagtg gtggatactt gacaccatta aacttccacc acatcanaat atcaaagtca 420
 acagctcttg gaaaacatct tcttctaata gtagctaact ctgattaaca t 471

<210> 15005
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15005

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 atatcaaata gncataacta ttcacaaggc tgtccgattc gggcgcataa tatgtcgaga 120
 ggatcgaaat tgaacaacgg aagctcttga gaaattcaac tggctataac ttccacacgg 180

atgggtgaat caggggcaat acatatacag accctctaaa attaacaacc gaagctcttg 240
 agaaaattcaa atgggcataa catttcacto gaatgtccca tttcggcgca tcacatatag 300
 agaacctoga aatgaacaa cggaaactct cgtgaaattc aaatgggcac aacttttca 360
 atttatttcat

<210> 15006
 <211> DNA
 <213> Glycine max

<400> 15006
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 ttttgcctaa gtttcattgt tttgcaggtg aagaacctca taagcatcta aaagaattcc 120
 atattgtctg ctccaccatg aaacctccag acgtccaaga aggtcacatc tttctgaaag 180
 cttttctcca ttttttatag ggagtggcaa aggaactggt atattacctt gctctaaagt 240
 ccatcaagag ctgggatgac ctcaaaaagag tattcttaga ataaattttc cctgcctcca 300
 ggaaccaagc catcagaaaag gatatttcag gcattacgca acttagtgga gagagcttat 360
 atgaatactg ggagagattt aaaaaactat gcgccagttg cctcaccac cagattttctg 420
 agcagcttct 480

<210> 15007
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 15007
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 gctgcattct catgggtggg aatcaccatt gaaggacctc attgaagctc aaagatccat 120
 ctttcataaa agctccacaa gcaagcttac atcatatggt atagcaaaac aaagaaattg 180
 aactcttaag gatatggtag gaagaatgat tagtcattct tctttgccag agtcactttg 240
 gggagaagcc ttaaagaccg cttttacat ctttaatagt gtgctaggta aagcagctaa 300
 caaacacctt tatgaacttt ggactg 326

<210> 15008

<311> 428
 <312> DNA
 <313> Glycine max

<323> unsure at all n locations
 <400> 15008

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 tgcctatgaa ttctgtctca gcaactagac ttgttactac ggtctgtttt ttattctctc 240
 aagttacaag atttctctct acaaaaagtaa agtatccaga ggtagatctt ctatcatctt 300
 tgaacctgc ctaattctga tccgtgtacc ctctacctt caagtttcca tgatttgaga 360
 aaaaaattcc ttintcagga gtygacttca aatatctcan aattctctcg actgcattca 420
 tatgaagg 418

<310> 15009
 <311> 408
 <312> DNA
 <313> Glycine max

<400> 15009

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 atcgagacgc tggaaattga ataattggaag ctattgagca attccaatgg tcataacttt 120
 taactcggaa gtccgattga ggcacataat atattgagac gctcgaaatt gaacaacgga 180
 auctctcgag aaattccaat ggtcataact tttaactcgg aggtcggatt gagacgcata 240
 atatatctag acgctcgaaa ttgaacaatg gaagctcttg agcaattcca aaggccataa 300
 cttttaactc ggaggtacga ttcaggcgca taatatctct atacgttcga aattgaacaa 360
 cggaaactct cgagcaactc taatgtgcat aacttttcaac tcggaggt 408

<310> 15010
 <311> 407
 <312> DNA
 <313> Glycine max

<400> 15010

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taaaaagtta ttgtcgtag aatttgcga gagcttctgt tctgaatttt gagagtctcg 120
 atatactacg gaacacaatc ggcacatctc gtaaaaagtt attgtcgctt gaatttgcgc 180
 agagcttctg ttcttaatta cgagagtctc galatattac gggattcatt cggacatcca 240
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<210> 15011
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15011

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 aaacactatc aaagaagatc aaatagagat acatgatata aatggaagaa gtgaaataga 120
 tagattaaat ggagaattct atagacaata tgtactggac ggttacattt tgtttgttta 180
 ttgttcatag tgtagtttcc ttacaccttc tggcctttac attgttgtct agtttagttt 240
 gtctgtgata gcttgattgt aaataatatt gtttttaact tcttggctgt caggatttcc 300
 aatccttgga gttgagtggc agaagatgga aaatcctgat ttacgaatgt caatgggcat 360
 gggaccagat caaaaaggty tgcgtatcag aagaattgaa cccactgctc cagaatctca 420
 tttcttgaag ccactgatg taattc 446

<210> 15012
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15012

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 ctaaaacttt ggagtatctg attagagctg atgctagtaa agtgaacaac tttaggattc 120
 tggaggagga gggcatgcat atgtcgacca acacgaggat gaaagcttca aatttgcctt 180
 tgaactuat ctcatgtggc tcaatattag tgaaaaacca tagttttggc ctatttcctt 240

oetataagcc catgttttat agttcaaaat gtccctttctt ttgtgttggg ggagtttgat 300
 tgcctattga ttgagcattt gtagtttaat atttttctat tctttctatc tcaattgaca 360
 ttttttgac tgttattttn tcaactaac t 391

<10> Glycine max

<23> unsure at all n locations

<400> 15013

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 cacataatgg ctngcttagt gcaattactg ctgctagtaa aagtcctaatt gtagtttcta 120
 attctgtaat ttcatccctt agcaatgtta gcttgtgga ttctaggctg ggtcacctta 180
 atagcccatg tcatgaagct agtcaatcat tgtaacattt cctcatctaa taaaaatttc 240
 tugaactttg ctctccatgc tatatgggaa attctcacag attctcttct cactctttta 300
 ttttggata ctctcctttg gagctttttt ttatagactt gtggggggcct tctcatttaa 360
 ttctcatgc ttgtttcaaa tactatgtca ttatttgatg ttttttccag atacacttgt 420
 gtatttcta ataaaaacta aa 442

<210> 15014

<211> 437

<212> DNA

<213> Glycine max

<400> 15014

aactagctct tgagaaaactt ctggaagca gagcttattt ctctattccc tctcataact 60
 aagtcacct ccttgagaag ctccataag aagattccta aagaagctag agcttagcta 120
 cacacacctc tctaatagct aagttcacct ccttgagatg agaagctaga gcttagctac 180
 ataccctcta taatagctaa actcacctat atggccaaaa acatgaaaat acaaaaaaag 240
 gtctactac aaagactact caaaatgtct tgaatatcaa ggtctaaaac ctataactact 300
 agaatggcca aaatadaagg cccaaacgaa ggaaaaacct attctaatat ttacaaagat 360
 aagegugctc atacatagcc catgggctcg aaatctaccc taaggctcat gagaacctta 420

437

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<223>      unsure at all n locations
<400>      15016
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400 15017

6331

<210> 15018
 <211> 384
 <212> DNA
 <213> Glycine max

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 ctccgagcca attcaaacga caataacggt ttactcggat gtctgattga gtcccgcaat 180
 atatcgagaa ccttcgaaat gaatgttgaa gtcccgagcc aattcaaaag aacaataact 240
 ttactcggga tgtctgattg agtcccgtaa tatatcgaga cgttcgaaat tgaatggtga 300
 aactctgagc ctaataaac gacaataact atttactcgg atgtctgatt gagtcccgtc 360
 atatatcgag aacttcgaaa ttga 384

<210> 15019
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15019
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 accaaaaact ctctctctct tctctctctc ttctgtctcc tgcacttggt tggcctttta 120
 accattgtgc tcacaactga atcaaacact agtgggaact tcacattcct tgaagtctca 180
 gcagcaagtg ctgcaccaac caccaaaatt tgtgctagtg caaccttatg aacctagac 240
 ctcccggttg tgggcctaga gttaaacat ggaatgtcta catcttggtt aacatacact 300
 agttntctct cgtcaagaca aatcttacc ttactcgcac aaagtcttta ttctcctgt 360
 acaagagaaa cccagattta accaatccga gtcagtaa 398

<210> 15020
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 15020

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tcattgttct cattgtaata aaaaaagaaa ataaaaatgt gtttttttgt caaaactgag 120
tcttataaaa gattatatt ttttataatt gtttttttgt ttttttttgt ttttttttgt
tcttttttgt ttttttttgt ttttttttgt ttttttttgt ttttttttgt ttttttttgt
acattgaat tatataccta ttaactctt ttataaaaatt ttaaatgatt tttaaaaaaa 360
aagtataatt ttataattaa ntatgatatt ttaatttgat atgttattta aagatata 418

<210> 15021

<211> 468

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15021

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tcattggcctt gcangtgaag acccacacaa acatttgaaa gaaattcaca ttgtctgctc 120
caccatgaaa cccccagatg tccaagagga tcacatattt ctgaaggctt ttcttcattc 180
attagaygga gtggcaaagg actggctgta ttaacttgct tcaaggtcca tcacgagctg 240
ggatgacctt aagagagtat tcttagaaaa tnttttccct gcttcacagga ccacaaccat 300
cangaaggat atctcagga ttagacaact cagtggagag agcctgaatg agtactgnga 360
gagaattaag aaactatgtg ccagttgcc caccatcag atttcagaac agcttattct 420
ccaatatntt tatgaaggaa ctcagtatat ggagagaagt atgataga 468

<210> 15022

<211> 251

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15022

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tttgataatt ttaattgatg gtgagcaatg atgtttagga ggggagaaga agtgtctdaa 120

tttngageta tggcatgcat gcacgggccc catggtgtcc ctaccaactg cagggactca 180
 tginggttad ttcctcaag gtcataatga gcanngtttt tgttanttgg gtttactacc 240
 taactactac t 251

<223> unsure at all n locations
 <400> 15023

gttcgtctcc tgaacgcttg agagggtgat gtccaatggt taacctcatt atgtctcaca 60
 ctngntngtt aaatgctctg gacgggtcgg acctgcctg acanattcac atacctggn 120
 tgtatcaagg cttytggtga ctngtcttgg attgatgtgg gggttggaat tcatgggcag 180
 acctttnaag ttggttatga ttccgacaca ttngttcaaa acactntggt ggcaatgtat 240
 atgaatgcgc gngagaagga agcagcaca ctggttnttg acctgatgct ggaacggact 300
 gtgatttctt ggaataccat gattaacggg tacttttggg ataactgtgt agaagatgca 360
 gtaaaggttt atggtagaat gatggatgtg 390

<210> 15024
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15024

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 ggaatatgtt gactggetct ttgttttttc ccacgaggaa actgctaaat aagctcttat 120
 caatgcttct ctcattnac cgggtaggcc ttctgaaaca atatngaata gtaaaggcgt 180
 taggtggctg ccttgctcaa ggcctcttgg ttggaatgaat ntatttgtgg ggetgccatt 240
 taccaatada gaaacggagg ctgagctaag acaacctca atccaacaaa tccacttggg 300
 gcagaagcct aatctctca gcatatatga taggaaaccc cactgagcgg agttgtatgc 360
 tctttcatag tctacttga acaccaagca ttgcttatga cgcctcttgg ctctctccac 420
 cgttctgatg gctatcaata cact 444

<210> 15025
 <211> 435
 <212> DNA
 <213> Glycine max

unsure at all n locations

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 tatatgcttt agatgtatta gataaaacaa gaanaatccc ttttgtaact ttggaatcaa 180
 atttagcang ttgatcttta gtgttcacga taaagcaact acatccaaat ggatgagaag 240
 tatgaaatat ggggtctctt cctctctatg gttcataggg agactcttnt atcaatggtc 300
 tgcacaaatct tctattctaa acatagcang ttgtatttac taattctgct caaaagtact 360
 tatgaagtga atttccatat agcatgggtc tagccatctc ttgcagagnt ctattttct 420
 tttactacc ccatt 435

<210> 15026
 <211> 467
 <212> DNA
 <213> Glycine max

<23> unsure at all n locations
 <400> 15026

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 agagaatttt ttattaaatg tgtcactatg acaatgataa atcgattcaa cttaatgtgg 120
 actaaaaaac ataatcaa ataatcaaaaa ttgagaaatc ataaattttt attagattat 180
 atengaattt agatttgaat ttaaaaattg attcaatccc gtcaaaattg aatatanttt 240
 tatttcataaa tttataatgg cctccatag tttattttta ttntctatat actttgaaaa 300
 tttatcatata aattatacct atgaaaaata catcttgatta aagaactttt ttaactacct 360
 atttgaatta agatggataa atatattatt agttatacag tgatatataa atgaaatatt 420
 tgataacata aatgagtctt attatatata tatatatata tatatat 467

<210> 15027
 <211> 463
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15027

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agggaatgaa ataatatcaa aataagcaat taaaaatca tttatggaaat tttttaggac 24

atgatgcata agcttcataa aggtgcttgg tgcattagt agtccaaaaag acatcactag 300

ccattcatac aaacccaaact tggctttgaa agtggttttc cactcatcac cctttntctt 360

cctgatttgg tgaacccac ttttaagatc aattnttgaa aagatattgg caccatgcaa 420

cicacaaagc aaatcatcaa gtctaggaat gagatgcta tac 463

<210> 15013

<211> 476

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15019

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ttanaccagt tcaatcatat gcattcaaagt ataaaaactt tcataaaaac aaaaaatggc 120

tttgtggatg aaaagctgga aataacattc tgagtacaac attatgacaa aaaacattct 180

tagtattgca ttgtcataac ataaactgag attttcataa taacaatatt ctgataaatt 240

tttttattta aataatgaac atcaaaacat aagaaaatgt gcattgacat taggtttctc 300

taatcatatc aaacatttca taatgagttt ttgtactaac caagtagaya gtttagttat 360

ctaagtgttt gaacctctat gttaagactc ttgtcatacc anaataatct tgagtaaaag 420

ttcaaaaaag gtaaagtttc aagaaaggtt aacaaagtca caataacccc tcatte 476

<210> 15029

<211> 453

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15029

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 tgtctattat tttctctctg ctctctcttg tcattataga tcatactact tatcatactt 120
 aatgtttctt tttttctctt cactagttgt caattgtcaa ataggttatt agtgtccacc 180
 gttttctctt tttttctctt cactagttgt caattgtcaa ataggttatt agtgtccacc 240
 gttttctctt tttttctctt cactagttgt caattgtcaa ataggttatt agtgtccacc 300
 gttttctctt tttttctctt cactagttgt caattgtcaa ataggttatt agtgtccacc 360
 gttttctctt tttttctctt cactagttgt caattgtcaa ataggttatt agtgtccacc 420
 tttttctctt tttttctctt cactagttgt caattgtcaa ataggttatt agtgtccacc 480

<210> 15030
 <211> 366
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15030

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 ttcctcagtg ggtcttctct ctgtgtccag catcttngga tgttccagc ctttgatgac 120
 agctttccag gttctgtat ccaagtgttt gagaaaggcc accattcttg ctttccagta 180
 ttcnagttg gttccatcaa gaattggtg tctgttccact ggtctctctt ctttctccat 240
 gttcctcaga atttatctcc ctgatctca ctctgtgatt tccagtgttg gctctgatac 300
 caattgaaat tctgatactg nngacagatg tcttaccgga tctcagaca tccagcttca 360
 gaacat 366

<210> 15031
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15031

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 cggactcttg ttgaaaagt tatgacctt tgaatctct cagagctctt gttgttcaat 120
 ttcagctctt tcaatatatt atgcactga atcggacctt cgtgtgacaa gttatgacca 180

tttgaatttc tcaagagcat tcgttgttca atttcgagcg tctcgatata ttatgogget 240
 gaatoggaca tccgtgtgac aagttatgac catttgaatt tctcaagagc attcgttgtt 300
 caatttcgag cgttcgata tattatggcg ctaaaatcgga gttccgtgtt acaagttatg 360

<210> 15032
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15032

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 acagctcgta tattggaaac cagaagcttc tgagcacaan tcaaaaagac acataacttt 120
 ttacatcgga tgtcccgatt gaatcccgta atatatcgag acgctattaa ttgaaaatag 180
 aagctctgag caaattcaaa cggcaataac ttttaactcg ggtgtccgat tgtgtctcgt 240
 aatatatcga gacgctcgaa attgaaaact gaagctctga gaaaaatoga acgacaataa 300
 ctttttaactc ggaatgtccga ttgagtcocg taatatatcg ag 342

<210> 15033
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15033

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 aggcattaga cctaaatatt tgggaagcca tagaaatagg gccttatata cccaccacag 180
 tagaaagagt tacaatagat ggcagttcat caagtgaag tataacaata gaaaaacta 240
 tagatagatg gtttgaagag gatagaaaac gagtacaata caatttaaaa gccaaaaaca 300
 taataacatc tgccttgaga atggatgaat atttcanggt ttcaaaatgt aagagtgcga 360
 agcaaatgtg ggaacactc cgaatcaaca atgaaggaac tacagatgtg taaagatcta 420

ngataaaatgc actaactcat gagtatgaac ta

452

<210> 15034

<211> 498

<212> DNA

<213> Glycine max

<210> 15034

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gtcatatcat ttccagacgga tgtctgattc aggcgcagaa tatatcgata cgtctgaaat 120
tgaacaacgg aagctctcga gaaattcaaa tgggtataac ttctcacacg gatgtacaat 180
tcaaggacat aatataatca gagctctgta attgaacaat agaagctctc gagaaagtca 240
catgggttata aattttcacc cggatgaccg attcggggac ataatatatc gagacacttg 300
aaattgaaca goggaagctc tcgacaaatt caaatgggta tcaactttca caagaatgct 360
cgaattcacgg gcataatata tcgagacgct cganatngaa caacggaagc tctcgagaaa 420
tccanatggc cataacttat catacggatg tccgattcgg gccataatat atcgagatgc 480
tcgaaattga acaacgga 498

<210> 15035

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15035

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gtcttagctc ttcttgactt ttctaaaaat ttgagctan aatgtgatgc ctttggagtg 180
ggagttggag ctgtatttgt acaagggtgg cacttatttg cttatnttag tgaaaaaact 240
catagtgcac ccttcaacta cctcacctat gataaagagc tttatgcctt aataagagcc 300
ctctcaaaact aggaacatta ccttggttcc aagggaattg tcattcatag tgatcatcaa 360
tcaactaagt a 371

<210> 15036
 <211> 225
 <212> DNA
 <213> Glycine max

<400> 15036

atctccatct cggagcgcctc agaattgaac aacggaagct cttgagaaat tctaaatgggc 180
 ataactcttc acaaggatgt ccaatttagg cgcaccacat atagt 225

<210> 15037
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15037

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 aagctcaatc caattaaatt ttagaccagc ctaaggggga ggtgagcatt tgcttaaccac 120
 cccccattgt catatcatat agacacacct tgaacatgtn cttctatggt tacatgcctt 180
 atgacacctc agcacactta agggagaatc ttggatttga tcttggaagg gggctgaacc 240
 atatctaata tttaactaat ataattagtg aaattctgac tccaaatttg gcttcaca 298

<210> 15038
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15038

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 tattggaata agaataaaaa aatagtattg gaagggaata agttaactgac tcatgaatgt 120
 atatgattaa aattcttata caaccagata catcgaaata agtttcatag aagcccttct 180
 aaaaattctc taagacctaa ttaggatatt aaatataaaa tgtaaattat aatgggttcta 240
 tggattatta attagatata atatactatt cggggtaaat ntaaatacta ttaaaagtat 300
 attcatttaa caatadaaca tacc 324

<210> 15039
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 15039

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 agtaaccaat taatgggttc ttaacctatc tctatctat ttaattctaa aaatctcaag 240
 agttctctta taccactcgc ttcttatatc aataccacaa cgggtatttg tntacttggt 300
 attatagagg cattattgca gcaaatcaag cattttcaaa agctaatgat 360

<210> 15040
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 15040

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 tcaaagataa atacaattat gctttagtca gcggtatttt ggaagatcac aaacttcatt 120
 ttaacaaact tgaaagggct ttaattatc taaagcagca gatgcacggg gtggaggatc 180
 aacaagaaat atatcaagaa gctgggtcaat ggatgttgta atataatcan gatatagctg 240
 tgaagctcaa ggctatcttc ctctatctcg aacctcacga ggctcncctt aacaaatata 300
 ctatgaagga tggaaactgg aatatttgtt ggagagggtg acgctgcagc atcatgaata 360
 aataattacc attaggaaag accaaatata cccatcatct gtatactaca tccattatta 420
 tatat 425

<210> 15041
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 15041

agctngaaan ngaatctgaa gttctattaa atgtcanacg acaatgacgt ttgaactcgga 60
tggttgatat agtatcgtaa tatatcgaga cgtctgtaat tgaaaacaga agctctgagc 120
gattttaa gattttaa tttatctaa atctctctt gtttctt gtttctt 180
gatttctaat ttttctt gtttctt gtttctt gtttctt gtttctt gtttctt 240
gaaaagtcac aggacaataa cttttgactc ggatgtccga tngagtcctc taatatattg 300
agacgtctgt aatt 374

<210> 15042

<211> 451

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15042

agctngcagt gaagcagcca agacatggat gactttgagt ttttttgttt ttaaaaaaag 60
aacatntttt taatacttta tttggggggg ttatttcttg tgttttagtt acatggtaga 120
gttggtagat agtactgcat ctatgtgtta ttggaagcta attgaaacta attgaggatg 180
tgatgtgaat gttattgcag aatccggcac cgaagagagg tgagattgtg agacagattg 240
gtgaagcatt gagggccaag ttggatcctt tgggtagact ggtgtctctt gagatgggaa 300
aaattctccc agaaggaatt ggggaagttc aggtatcaca attataactg ttctgcaact 360
ctttttgaca tattatcagg ttgacagca tagaaatcag agtttaattg tgtataatac 420
tataacactt ctttgatgga aactaaatca a 451

<210> 15043

<211> 282

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15043

tgttttgctc aaagaaaagc ttactaaggc acctgttcta gctcttcttg acctttctaa 60
aacttttgag ctagaatgng atacctctgg agtggggaagt ggagctgtat tgtacaaagt 120

gggcaccccta cngcttattn tagtgaaaaa cttcatagtg ccacccctcaa ctaccccacc 180
tatgataaag agctntatgc cttaataaga gccctncaaa cttgngaaca ttnaccttgt 240
tccaaggaag ttgtcattca tagtgatcat caatcaetta ag 282

<223> unsure at all n locations
<400> 15044

ctctacttt ttgaatgtt tccaagatct cttctctgc ctcttcatt ntttttggtg 60
gaaactgttc ttggagggaa ttgaagagga aggatgtgtc gcttcngcaa atcagaatta 120
ccagtgggaag attcacctgc acagaaatgg ttanggtaaa ttttgtcatt accttttct 180
gggttagagt gaagtggac aggttcattt gcagatgagg aaggtgctac gggttgaggt 240
ctttgacact gctttccga cctcaatgaa atggtaactga ca 282

<210> 15045
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15045

agtcacctgc ggcattgcaag cttctagagg ttgngcttat ctaccccatt tccnacagtg 60
cttatgtaag cctagtcacg gtggtaccaa ataaaggggg tatggcaatc attcggaatg 120
acaagaatga cctaatecca acgaagacta tcaatngtgt ttgagaaaaa tatgcgtcaa 180
ttacnngcaa agctcacatt gaagccacaa gggaaaagat cttttttctt ttgtccttct 240
atggaccana tgttgagag gcttgcgga caagcttatt actacttctt ggatggatat 300
tttgatata ttacagatgc tgtggacccc aaggatcaag agaagacaa ctacacatgc 360
ccttttagtg ttttttcta cagatggatg ccatttcggt tatgtaatgc acctaccaca 420
tttc 484

<210> 15046
<211> 254
<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 15046

ggtt mgtgt tcaatttga ggttctcgat atattacggg tctcaatcgg atattggagn 60

aggtctctgt tctgaatttt gaggtctctg aaatccttca agacttaatt gacatctca 24

aaaaaagttt ttat 254

<210> 15047
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 15047

gattgcgggt cgtaatatat cgagacgctc tacattgtaa acggatgctc gtagcaaattg 60

caaaccgcaa taactcttaa ctccgatgta tgattgagta ccataataga tccagacgct 120

cgaattgaa aaaagaagtt ctgagcaaat tcaaacgaat ataacttttt actcggatgt 180

crgattgagt tccgtaatat attgaggagc acyatattga gaacagaagc tctgaccata 240

atcaaaccaa aataacttta tactcggatt tgcgattgag tcccgtata tatgaagacg 300

ctctcaattg aaacagaag ctcttgaaca attataacga cagttacett taccgatgt 360

cggattgagt ccgcaatata tca 383

<210> 15048
 <211> 203
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15048

tcccctaatt tcaattgggc agagatcata gatttggtgt tggatcgcct ccgaaaactc 60

gcagacaact gcactagctt ccagactcac tincttaagg gttgatggca ctatcaatgt 120

agatattaat gatttcaca ccaaccttgt gccatacccc agggtcacat tcatcatttc 180

tttgtataat tcaattatct cta 203

<210> 15049
 <211> 436
 <212> DNA
 <213> Glycine max

unsure at all n locations

ggtggcgaatg atttggtgag aaaaatctgcc atttgatcac ttggtgaaac tggtagtagc 120

tatagagtgc tcttcaaaag tttctctctgc acaagatggc aatcaatttc caagtgtttt 180

gtgggttcgt gaaaaacccg atttgaggca atgtggactg cgttttgggt gtcacagtaa 240

atagttggag ttctggtaag ctgaactctc anactctgca aaagatacaa cagccattgc 300

aactcacaag cagctgaaga cagagccctg tactctgctt ctgaagatga tctggacaca 360

gtgttttgtt ttttagcaag ccatgacact aaaatttgcg tatgaagaaa aatatacaga 420

tatggatttt tagaat 436

<210> 15050
 <211> 416
 <212> DNA
 <213> Glycine max

<23> unsure at all n locations

<40> 15050

agcttataat atatttatta cgtctgaaat taaactatca gaagctcttc tatattatc 60

aaatggggca taacttttca nctctgaatg tctcgattat ggcgacatca ccatatcgta 120

gacgcttcan naaattgaac cagtcggaag ccttttgaga gaattctaat gggtcataa 180

cttttaacat cggatgtctc gattcagggc gcacacatn atcgagacgc tcgaaaagga 240

acaacggaag ctctcgagaa attcaaatgg tcataactta tcacactgag gtcgattaa 300

ggattataat atatcaagac gctcgaaatt aaacatcgaa agctctcaag aaattcaaat 360

ggtcatcact ttccacaagg atgtacgatt cgggcgcata atatattgat acgtct 416

<210> 15051
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 15051

agctataacc aaggggagat ggaccatttc tagtgcttga aagatataat gacaatgctt 60
acaaagttag gctgctgggt gactataatg ttagttccat ctctaatgic tctgatttat 120
tctgctgggt gctgctgggt gactataatg ttagttccat ctctaatgic tctgatttat 180
tctgctgggt gctgctgggt gactataatg ttagttccat ctctaatgic tctgatttat 240
tgacaagggt tagagcaagg aaagccaagg aagctcttca acaagtgttg tccatactat 300
tgaataaaa gcccaagttt caaggagaaa agtccaaggt tctgagttgt atcatggccc 360
aaatggagga ggactaaatg gcaccatttc gtctcaattt tagagtgtta gtttgtctaa 420
ataatagccc aatctttgta aagttggctg accaaaaata t 481

<210> 15052
<211> 432
<212> DNA
<213> Glycine max

<400> 15052
agctatagtt cactgcttca agtagtgcac gatatgtctt cagaggaaaa caagttgctt 60
aaaagttatt atcaggccaa gaagatactg tgtctgatgg gtttggagta tcagaagatt 120
catgcattgc ctaatgattg catactatac aaacatgagt ttcaagacat gcacaaatgc 180
cctaggtatg gggatcatg atacaaaagt aaggatgatg acgagtgtag tagtgatgaa 240
aactogaaga agggccccc gcgaagggtg tgttgtatct tccatcatt ccaaggttta 300
ggcgtctatt tctgatgga gacgaagcaa aagacctac acgacatgta aatgggagaa 360
actatgatga aatgtccat cctcggctg atttgtgcag tggagaaga ttgatcatta 420
tctcgcatt tc 482

<210> 15053
<211> 353
<212> DNA
<213> Glycine max

<400> 15053
actaagcttg tgcctcttc tgaataaact gctaacatac attctataat gctgaagta 60
tattagaaag ggttagccct gatacagctc tcatgggttt gaggtgggtt ggggggag 120

gtggacctca cgtgaattca ctcaaagatg ctgtcactgc aatgcgggtg aggggttgagt 130
 gtgggtttct tactgaagca tttatgcacg agagaatgct ctgcaccaca gtgaaggaaa 240
 agaatttcaa taaaacagca tctgggaata cttctgagaa gcaaaaaggt caatgtaata 300

<211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15054

aagcttggtt ctnnttttgg tttataacgt atatagatta atattcttcc gcttgcatac 60
 actnttcagc acattccatg gaagaagcag aagtcctatg tgcctgatta tgaatatttg 120
 tagaaggngg cttgcagtgct atatgcaatc caaaggaggt aacattgctt aattaatata 180
 tatgctttat caacttcatt tgcaattaat gggcttgacc ctatagatac egggtcaca 240
 ctataacttt ggggtttattc tttctacacc caacaaattt cttctatacc caacatatcc 300
 taaaaaatta taactgtatc cttttttact tcttcttctt cttcggtcct atcttttttt 360
 cttgtcttcc catagcttat agaaattnta gtgttatata tagtgacatt aattatnntt 420
 taacatgatt ggtctat 437

<210> 15055
 <211> 462
 <212> DNA
 <213> Glycine max

<400> 15055

acataaaaga agaattcttg acgtgtattg ttgaggcttt aatggaaata tctaaaatac 60
 aaggagcccc agagataaac caaataacat ggtatctgta agtaagggaat gagctaggat 120
 aaatattaac aaggacagtt ctatactgat tgaaacttaa gaaactatat gatggcagaa 180
 atgcaagtgt tatgggggga atcaatgatt tctataagag ctaacactta ctgagggttaa 240
 actgtacaac gcagggaatct gaataatatt cttgcgggaag actctcaaac aggaaagcag 300
 eggcatatac cgtatataga ttctaggttg acacttttct tgcaggagtc tctcggagga 360

aatgcataat tagcaatgat ttgtgctatt tcaccatcac acaagtagta tgtaatgcac 420
 tgcctatteg atatgtttta tctctcgatc tctctgtatt ac 462

<110> 15056
 <111> In
 <112> In

<113> In

atgaacccac ttgttggaca agtgaccaca gtatcttaag aatgtggggt gaattaagat 60
 aaaaaacttt ccttaattaa aattntaact tctcttgyga ttaacaatgc acccttaata 120
 ttaattactc aaagaacaat taaaaataaa ctctctttaa gcaaaagata aactgcaata 180
 aataaaagaa agttaagaga agagagaatg caaactcagt ttttatactg ggttggccac 240
 gccctgtgac taagtccagt ccccaagcaa cccgtctgag atttccacta tcttgtaaaa 300
 aaccttttac aaagtctgaa ccacacaagt acatctcttc ctatatatta gaaatcttta 360
 caacttaaga gaacctcggt ctcttaaaca gatctcttng aataataaga agaagaatat 420
 tctctcttta agagaatgac attacaattg aagatcgatc aa 462

<110> 15057
 <111> 401
 <112> DNA
 <113> Glycine max

<123> unsure at all n locations
 <400> 15057

tagtatagct aggcactaac aatctccenc ttggcatat ttgtctana acatacttag 60
 acaattctctg agcaagtacg agcagttatg caagtgggat caacaacttt cattatcaga 120
 gtaatcaagc acagcggaaa ttctgcaagt tgcgaagtcgt ttccaggatg tcaagacatc 180
 ttactgaca taagctttct gctctctctc cccctgtctc catgctctta ctccagcatc 240
 ttctatcaga tactaatctt ttccaggatg tcaagacatc tcatgtgaca taagcttttc 300
 ctgtctctca tgcctctact gcagcatctt ctatcagcta ctagttagctt acaatagtca 360
 tcatcagtag cagcaggctc ccccttcaaa catgtacata c 401

<110> 15058

<211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15058

ttagacttga atgtgtcttg attctatctt gatcaacttga gttgntcttt gattctatct 180
 ttaccacttg agttgtcttt tgattgatct ttgagctttt tgtcatcacc ttgtgcatca 240
 tcccttgcta tcatcattgt tatcatcaaa acatctttga atgaatcttg attcaccatg 300
 aagctttgct tctacatcta gccaaatgag cctaccttga attaattctt ttgatagccc 360
 ctgtgaacct atgttccctt ttcttghn thgaagctcat tacaagcctt aagtgaaaaa 420
 ccatgatctc acccta 436

<210> 15059
 <211> 293
 <212> DNA
 <213> Glycine max

<400> 15059

cgacaataag ttttaactcg gatgtcttat taagccctgt aatatatoga gacgctcgaa 60
 gttgaaaacg gaagctctaa gaaaagtcca acaacaataa cttttaactc gaatgtccga 120
 ttgagtcctg taatatatcg aaacgctcgt aatttaaaac agaagctctg agcaaattca 180
 aaagacaaaa acttttaact tcgatgtcct attgagccct ataatacatt gagacgctcg 240
 atattgaaaa cygaagctct aaaaaaagtc aaacgacaat aactcttgac tcggatgt 298

<210> 15060
 <211> 325
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15060

attctatctt cctaagatgg tgtcagaccc agtcacccctc attaagaact agctcttttc 60
 ttctctatt gcctttagtt gaatacactt ttgtttgggt ttctatttgg ttcttaaccc 120

tttcatgcaa cttctttaca aactctgacc tagattacca ttctttatgt ataaaaagaag 180
 tgttcagtgagg gagaggaatg angtctaacg gtggttagggg attgaaccca tagacaacct 240
 tcaaaaaggga ctgcttgatg gttctatgaa ccccccctgtt gtaggtaaat tcttcatgag 300
 caattactt ttttcaaaa tttttt

<212> DNA
 <213> Glycine max

<23> unsure at all n locations
 <400> 15061

gtaaaagtat tatcgtttga ttttgctcag aaccattttt tccaattcga gtgtcagcat 60
 atactacgag acacaatcag acatcccgag aaaaagnttt tgtcgtttga agttgctcag 120
 aacatctgtt tccaatttcg agcgtctcga tatattacag cgttcaatcg gacatccgag 180
 ttaaatgtta ttgtcatnng aatnctctac gagcttccat ttctgatttc gagcgtctcg 240
 atatactacg gcacacaatt ggacatctga gtaaaaagta ttggcacttt gaattttctca 300
 gaacatctgg tttcaatttc gagcgtctca atatctcag ggactcaatt cgacatccga 360
 gtaaaaagta t 371

<210> 15062
 <211> 343
 <212> DNA
 <213> Glycine max

<23> unsure at all n locations
 <400> 15062

atgaagctct gataccactt gntatacaag ttgccttaga tatcttaaga agggnggggg 60
 ggtgaattaa gaaattccaa actactccc caattaaaaa tctatttcac ttttattca 120
 agttatgaat tcccttaatg acaatctctt taaatattga ttcaaataaa acaatttgaa 180
 tatgaatata aagcaataat aaataaagga gattaacgga agagaaagtg caaacttaga 240
 attatactgg ttgggcacaa ccttctgtcc tacgtccagt ccccaagcaa cccgcttgag 300
 agttccacta tcttgtaaat tctttttaca agttctaaac aca 343

<210> 15063

<211> 400
 <212> DNA
 <213> Glycine max

<400> 15063

ttatgttata tttttttt tttttttt tttttttt tttttttt tttttttt
 tttttttt tttttttt tttttttt tttttttt tttttttt tttttttt
 ttacagactc ttgaagatcg tggagtctac cttctctctt ttatgaaact gtgataactt 240
 ttatgacact tctataggtg tgttcacggg attgcaatca agcatattaa atatcttaac 300
 attttttttg tgtacctatc ttgtgagaca aagataccat tctcctgttg ctccacttgc 360
 attccagaaa atatgacatg agtcccatag tctgcatatc 400

<210> 15064
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 15064

tctggcatgg aatgacttgg caattgcctt ctttatgcag caccattaca acaatgatat 60
 ggcctctgat cagaaccaac ttcagagcat gaccaagcgg gaatatgagt ccattaaaga 120
 atatgtctaa aggtgggagag acctagcagc ccaagtctgc ccacctatga ctgagaggga 180
 aatgatcacg attatggtag atatgttgcc tacgtttctac tacgagaagc tgataggata 240
 tatgcctggc aactttgcag acctcatctt cgtctggagaa agaatcgagt ccggactgag 300
 gaaaggcaag ttggaatatg cctccaacgc tgcccccaac aataacagaa gageccacgt 360
 ggttgggcaca cgataaaagg aaggagatac ccagtggtgc accaccgccc caacat 416

<210> 15065
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 15065

atggatcacc taaatagggt aatttcaaaa gatctagttt ttggatggcc taaattaaat 60
 ctaaaaatat tgtttccacc actaaacctt tgcaataatt acacatggat t'gtttggac 120

catctagggg catgagcttt ggtggaagtt actatgcatt agtaattggt gatgattatt 180
 ctatgatatac ttggacttta tttcttactc ataagaatga tgcatttcat gcatttagaa 240
 gaattgcaaa agtcattcaa aacaaaaaga atctcaaat atctccatca gaagtgatca 300
 tttttttttt tttttttttt tttttttttt 360

<212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15066

gggagaacta ccataaggga tagagccttt gtgctaagtg catgtttaga aacaagccag 60
 acaaggcaag taagggttg agaaacaaga caagattggt tgccaaagggt tactcacaat 120
 angaagggtat agactataca taaacctttg ttcattgtac tegtctaaag caatacacat 180
 tatactctca ttacagctc atacaaaaat gagactatat caaatagacg taaaaaggca 240
 ttcctcaat 249

<210> 15067
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15067

gcttatctca tgtgggtaca tctcaataaa ttcattcttg gagagcttca tggttttggt 60
 tctcagggga aggatcattg cagatgcggg aagcatgacc acggatctcg cttagagggtc 120
 tgaattagtt ggtgatattt ttgggatcat tgcctgctgt acgaagattg agccggatga 180
 tccanattggg tacatgctag agaggttaat tggtaaaata gagcttcatg acgtgcattt 240
 tgggtacctt gctaggccta atgttgcctat ctctgaaaat ttctcgatga anattgaggc 300
 acggaaatca acagcattgg tggggcaaag tgtgtccggg aaatcgacca tcat 354

<210> 15068
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 15068

agcttggtatc tcacagttgc ctctctcctt cacggtcagg tgacaataat aaattttacaa 60

acagatgagt actactacat tattattatt attataatta ctgatattca atgattaatt 120

atgattaatt atgattaatt tttttttttt tttttttttt tttttttttt tttttttttt

attcgtgtct ttt 360

<410> 15069

<411> 442

<412> DNA

<413> Glycine max

<423> unsure at all n locations

<400> 15069

acaagcagct gttgcaaaca ttcagaagat ttaagtatat athtaataata gaactngtat 60

aaaagaaaaa tagacaccac cagataatta agtgggttcaa ctntggcata tgtgcaaattg 120

caaaactagct accaattaag attctcgaca atcctcanag caacatcaca taaacacttc 180

aaaccatcct ctctggggagc aagctcagta ggataaacca aaccggggta gagtttgaac 240

aagtgtgtgac aaaacattgg gtaatcagaa gctgcagtga tgtgcatgga agcatagtca 300

catgctcat tagccaaatc atgtgcagaa gcttggaggg catcactggc atacttgtac 360

ttttctacac actccttcag caccctttta aggtggaatc cttgttgcag tgcaagcaac 420

tgagaagaaa atagagagaa gt 442

<210> 15070

<211> 303

<212> DNA

<213> Glycine max

<400> 15070

agggactgaa tcacacattc gactaaaaag ttcttatcgt tagaatacgc acagaacttc 60

ggtgtttccat tctgagcaac tcgatatatt acgggaactca atcagacatt ccagtaacaa 120

gttattgtcg ttggaatggt gtcagagctt cgataatcaa ttctgagcgt ctcaaatat 180

tacgggactt atccacacat ccgagtaaaa cggcattggt gtttgaatag actcaaaact 240

taggtcttca ctttcgagcg tctcaacata attctggact caatcagaca tccgagtaaa 300
aag 303

<210> 15071
<211> 383

<212> unsure at all n locations
<213> 15071

gttaaaagtg attttctaaa tggcttaatt caagaagaag tatatgttga acaaccacca 60
ggttttgaaa tattggataa cccaaatcat tgttataaat tgaaaaaggt nttatatggg 120
cttgaaacaa gccctaggg cttggtaaga gcgcttaagt aagttccttt agaaaaggac 180
ttctagang anagtggatc tattctttta taaagagaaa acacatgata tttactagtc 240
aaaatatgtt atgacattat tttggaccac taacaattgt gtgcaggaat tctccatgac 300
atgcaagtga gttgaatgtc atgatggaaa ttattttcttc ttggataca 349

<210> 15072
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15072

gcagcatcta tgttagtgan ggctgtgatt cacctcangg ttctttcgag ntttgatccc 60
acaatcaagg gggaccacaa aaatgttttt ctcaagcact gcgagcatct tattgatcct 120
atcagcaata tcatcacttg gtggtattct cggagagtga atgttataaa ctccgggggc 180
aatctctgct ccatacttaa ctcttcaca gaacactgac aggagctctt cttctgagcg 240
agaattttcg atggtgatca catacacatc catatcaatg atcgagtgga tgatgtcatt 300
qaaatttagag taacacatgt gcggtgtggat ctgtcgattg tatagaatac aaaacatatt 360
atattttgat ggaatgcgtt cta 383

<210> 15073
<211> 324
<212> DNA
<213> Glycine max

<400> 15073

agttttaatca ttcaatttcg accgtctcga tatattacgg gactcaatca gacatccgag 60

taaaaagtta ttgtcgtttg aatggctca gaggttcaaa attcaatttc gaacgtctcg 120

ataaaaaga taltgtcggg tgaatttct cagagctca aatttcaatt tggagcgtct 180

cgatatatna cgggactcaa tcag 324

<410> 15074

<411> 316

<412> DNA

<413> Glycine max

<400> 15074

agcttcttat gattgtttgt tctaatttc totacaattg catcacctct caatgagctg 60

gtgaagaaga atgtggcatt tacctgcggt gaaaaacaag agcaagcctt tgctttgctc 120

aaagaaaagc tgactaaggc acctgttcta gctcttctcg acttttctaa aacttttgag 180

ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcaccat 240

attgcttatt ttagtgaaaa acttcatagt gccacctca actacccac ctatgataaa 300

gagctttatg ccttaa 316

<210> 15075

<211> 387

<212> DNA

<213> Glycine max

<400> 15075

ctgcatttta ataatatata ataagagaac tatgaactatg gaagaatcta ttcattgttc 60

ctttagatgag tctaattgta ttcttccaag aaaggatatt ttagatgata ttgcagaatc 120

tttagaataa atgcataatt atggacaaga ttctaaagga aaagggaaaag aaagcaatga 180

agatcctcca gaagaagcca aatcaaatga tgaacttcca agagaatgga aagcttcaag 240

agatcctcca cttagacaata ttatttggtga tatctcaciaa ggggtaacaa cttagacattc 300

tcttaaagat g'atgcaata atatgctctc ttgtctatag attgaacctc caaatctaaa 360

tgaagccata atagatgata attggat

387

<210> 15076

<211> 403

<212> DNA

<213> Glycine max

aattccatca ttaatttoga ggcgtctgat acgttaacggg actgaatcag acatccagat 60
aaaaagtatt atcgtttgag ttgctcagag cttaacattc aatttcagcg tctcgatata 120
tgaacgggact caatcagaca tccgagtaaa aagttattgt cgtttgaatt ggctcagagc 180
ttcaacattc aatttcagag gtctcgatat gttacgggac tcaatcagac atccgagtaa 240
aagttattgt tcgtttgaat ntgctcagag cttaacattc caacttcagag cgtctcgata 300
tattacggga ctatatcaga cattcgagta aaaatatatt gtcgtttgaa ttgctcaga 360
gttcaaatat tctatttoga ggcgtctgat atattactgg act 403

<210> 15077

<211> 368

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15077

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tgaatgtnga agctctgagc caattcaaac gacaataaat ttttactagg atgtctgata 120
taateccata atataacgag accctcgaaa ttgaatgggtg aaactcttga ccaattcaaa 180
cgaaaataac ttttactcgg atgtctgatt gagtcacgta atatatcgac atgctcgaaa 240
ttgaatgtga actctgacca attcaacgac aataactttta ctcgatgctg atgagtcagt 300
acatatcgag acgctgaatt gatgtgagct ctaccaatca acgacataac tttctcgatg 360
ctgatgat 368

<210> 15078

<211> 345

<212> DNA

<213> Glycine max

<400> 15078

agcttgcttt tacggagttt tccgactatc ctctcgtgtg gtggatcaag ctacaaaagg 50
agagagcatg aatgaccag ccaatggttg atacatggac ggagatgaaa aagatcatga 120
gaaatattga agaagatgag gaggttaata tggctcgatt tcttaatggt tgcactaatg 300
atattcgtga tattgttgag ctgcaggagt ttgttgaaat ggatg 345

<210> 15079

<211> 458

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15079

tgagacaact tcccttgagaa gctagatctt agctacacac ttccctctca taactatgct 60
cacctccttg agaagcttcc ttaagaagat tcttaaagaa gctagagctt agctacacac 120
acatctctaa tagctaagct cacctccttg agatgagaag ctagagctta gctacacacc 180
ccctataata gctaagctca cccccataac aaaatacatg aaaatacaaa aaaattccct 240
actacaaaga ctactcaaaa tacctcanaa tacaaggcaa aaacctata atactagaat 300
gaccaaaata caaggcccaa acgaaggaga aacctattct aatatttaca aaaataagcg 360
ggctcatact tagcccatgg gctcaaaaac taacctaatg atcatgagaa ccttagggcc 420
ttcccttgga tctctggccc aatctgcttg gagtcttc 458

<210> 15080

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15080

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ttatgtatat tgcattcttt ggttaatttc ttgtggtttta atcttctttt gggtattggt 120
tgtaagtctc taactgtctg ttttaactga atgcatagat ctaaaacatc ctgaactact 180

ttgagaaaaac aaatagaatn ntagttaaaaa attacatant tegttttagt taaaattatt 240
 ttttatgtat gogttgaaat gacttggtat anctcatttt gttntaaaaa aatattttatt 300
 ttgaacaaaaa taactaanaa tattttaatat aanattaaat ttaaataatn ntgttcacat 360

<210> 15081
 <211> 269
 <212> DNA
 <213> Glycine max

<22> insure at all n locations
 <400> 15081

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 gttctccctc cagagggagt cgatggccct gagggcgctc toggagatga acttcacctc 120
 ctagaagaag acgtagccgc gcttctgtgc ggcttcgcca gcaagcacga tgaggagacg 180
 aacggtctcc tcctcggcca gctgaaagtt attggtggag agatggtggc ggaggaggtc 240
 caaggacagt gtggtttggg aggtggtgg 269

<210> 15082
 <211> 274
 <212> DNA
 <213> Glycine max
 <400> 15082

atggatccaa acccagtcct tctcattaag aactagctcc tttcttctc tattgccttt 60
 agttgaatac acctttgttt gttctctat ttggatctta acctctctat gcaacttctt 120
 taaaaactct gacctacatt ccccttcttt atgtataaaa gaagtgtcaa gtgggaaggg 180
 aatgacgtct aatggtgtta cgggattgaa ccctacaca acctcaaat gagatggctt 240
 ggtggttctt tgaaccttc tattgtaagc aaat 274

<210> 15083
 <211> 349
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 15083

agcttattgt ctagaatggg catagatgaa cccaactaga ttaattgccc ttctaattgt 60

cttcttatac aagggaagct taccaatgtc ttcaagcctc aaatcaatac aatgggatgc 120

cttcttatac aagggaagct taccaatgtc ttcaagcctc aaatcaatac aatgggatgc 180

cttcttatac aagggaagct taccaatgtc ttcaagcctc aaatcaatac aatgggatgc 240

agcttcaaggc gattcagaaa gcttttcacc tgtcttcaca aaatcagagg catcaataga 300

cttcanaaac attgtaccag ctgagaggtt aagcaaaaaa ttaatgatg 360

<210> 15084

<211> 309

<212> DNA

<213> Glycine max

<400> 15084

agcttctcta tatattatgc acctgaatca gacttcogta tgaaaagtta tgaccatttg 60

aatttctega gagcttccgt ggttcaatc caagcttctc gatatattat gcgcctgaat 120

tggacttccg tgtgacaagt tatgacaatt ttaatttctc gagagcattc gttgttcaat 180

ttcgagcgtc tcgatatatt atgcgcctga ataggacttc cgtgtgatca gttatgacca 240

tttgaatttc tcgacagctt tcgttgttca atttcgagcg tctcggtata ttatgcgccca 300

gaatcggac 360

<210> 15085

<211> 206

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15085

atcaatggtc ttattctaaa gctaactaat tccgccacac nnottgatat atagnccgcc 60

tgaagcggac ttccggonga naagacatga ccatttgaat ttctccagag ctttcgttgg 120

tcaatttoga gcattctctt atattatgca cctgaatcgg acctgcgtgt gacaagtcac 180

gaccatttga atttctcaag agcatt 240

<210> 15086

<211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15086

agtcacccc aatgacana aaacatgaaa ataaaaaaga agtccttatt acaaaagacag
 actcaaatgc ccagagatac aaggctaaca ccttatacta ctagaatgga caaaatataa 240
 ggcctagacg aagganaaac ctattctaatt atttacaag ataagggggc tcatatttag 300
 cccatggggt cgaatctac cctaaagctc atgagaaccc tanggctnt ccttggatct 360
 ctageccaat ctacttgag tcttct 336

<211> 15037
 <212> 461
 <213> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15087

ntactatgca gagaatatcc aaggaatata ccttcacctg acttatcacc aaatattcct 60
 aagttatctt tccattatt caatacaaaa catttacaac caaagatatg aagggtgtgag 120
 atgtttgggt ttctgccatt gaacaattca tatggagttt tctttaaaat gggctcttatt 180
 aaagccctat ttaaaatgta gcatgcagtg ttaaggactt cagcccaaaa gtattttgga 240
 agaggagtat catttaataa agttctagca atctcttcca aagatctatt tctcctttca 300
 acaacaccat ttgttgagg ggttcttggg gcaaaaaagt tatgtccaat cccatgctta 360
 tcaaaaaata ttcaaatte ttattttca aactcaccac catgatcact cctaatagat 420
 ataatcttta gatttttctt atattgaatg atttttgcaa g 461

<210> 15088
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15088

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 ctgctgaatg gagaaaggaa gagagagagg agacgccact tcaaggagaa gatgagtcta 120
 caagaagctc accaccatcc gagggccatgg ataatagctt ggaggaagaa agagatgaat 180
 tttttttt tttttttt tttttttt tttttttt tttttttt tttttttt
 tttttttt tttttttt tttttttt tttttttt tttttttt tttttttt
 ctaagtgtca caaaaattg gagggaaatt caaatttcac ttgtatttga aattgaattt 360
 gtggagccaa acctctggagc caaaatttca ctaattatga tcagtgaatg ttagttatg 419

<210> 15039
 <211> 295
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15039

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 acctatgcag taggtgtttg tgcaagatat caagccaatc ctaagataag tcaattgaat 120
 caagtaaaga gaattctgaa atatgtaaat ggcaccagtg actatgggat tatgtactgt 180
 cattgttcag attcattngc tgggtgggtat tgtgatgctg attgngctgg aagtgcaaat 240
 gacagaaaaa gcactctctg tggatgttcc tatttgggaa ccaatcttat ttcac 295

<210> 15090
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15090

tagtagggaa tctatccttc ctaagatgga gtttaaccca ttcaccccca ttaagaacta 60
 tctcttttct tctttaattg cctttagttg aatacacctt tgtttgttcc tttatttggc 120
 tcttaacct ctcatgcaac ttctttacaa acctgacct agattccctt tctttatgta 180
 taaaagaagt ttctagtggg aggggaatga ggtctaaagg ttttagggga ttgaacccat 240
 agacaaacct aaaaggggac tgtttgttgg ttctatgaac cccctgttat aggcacaaatc 300
 tacatgagga agctactcat cccaagactt atgggttgcct ttcagaanag cctttanaag 360

ggtggataaa gacctattca ctacctctgt ttgcccatca gtttgtggat gacaagtggg 420
agagaaaaca agtttagttc ct 442

<210> 15091
<211> 433

<223> unsure at all n locations
<400> 15091

agtttgattt ttatgagtna gctngggaaa aggacaagct aacttggaga aaccttctat 40
gaatctctag taatatcccg cttaaaccag aaaaattctg atctcaaaa caaacttagg 120
actctaccac ttaagaacaa cttttatcat acagggatct acaactatac ctctcttagg 180
taccacatgt cctaagaaac taactctctc taaccaatac tggcacttgg acaacttact 240
gtaaagatgc tggctcccaa gggcttgcga gacaatctct tagtgcctct catgcctctc 300
cttagtgctg gagtatacca aaatatcctc tatgaatact accacgagct atc 363

<210> 15092
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15092

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cttgatgtga gaagctagaa cttagctcca cacaccttct taatagctaa gcacacctcc 120
tagagatgag aagctagagc tttagctaac acccctata atagctaagc tcaccncat 180
gacaaaatac atganaatac aaaaaaagtt cctactacaa agactactca aaatgcctcg 240
aaatacaagg ctaaaacct atactactag aatggccaaa atacaaggcc caaatgaagg 300
gaaaacatat tataatattt acaaagataa gtgggctcat acttagccca tggactcaaa 360
atctacctca aggtcatga gaacctagg gcctccctt ggatctctgg ctcaatctac 420
ttggagtctt tta 483

<210> 15093
<211> 437

<112> DNA
<113> Glycine max

<223> unsure at all n locations
<400> 15093

ggaatgagc atgactattt gctgggttat tttatgagc tttggttat tttggttat
ggaatgagc
ggaatgagc tttggttat tttggttat tttggttat tttggttat tttggttat
atgcaaaaga caataacgat tttctggat gctggaatga gctccgtaac atattgagac 347
gctcgaaata gaatgttgaa cctctgagct aattcaaaag acattaactc tttactcaga 390
tgtctgattg agtcccgtaa cttatcgaga cgtctgacat tgaacgttga agctccgagc 390
gcattcaaac gaccataact ttatactcgg atgtctgatt gaggctcgtg atatctcgag 420
acgtctgata ttgaatg 437

<112> 15094
<111> 173
<112> DNA
<113> Glycine max

<223> unsure at all n locations
<400> 15094

gcactcattg canatgcgtc atcctcagct gacatgaaga taagccacta tggattgctt 60
cttagaaactc caagatattg gtgttgcaac atacgtgaat atgcaacctc tagtactcgc 120
tatgtaattt tggactcact cccaatcgc atcagtatat cccactaatt ctt 173

<112> 15095
<111> 313
<112> DNA
<113> Glycine max

<223> unsure at all n locations
<400> 15095

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ccgggttcga agacaacctt cttctctcct ttgttggtt gtttagcata gcttttattt 120
ttctctcaca ttgactctt gactctctta tgaagcttct tcaatagtc cgcctttgct 180
tgacctcttt tatgcttaaa aacagaaaac ttatgcacaaa gatcaagagg agttagtga 240

ttaaaaccat aaacaacttc aaaaggagaa caattagtgg tgccatgaac agctctattg 300
 taagcaaat caacatgggg gtaaacaagg ttccaaat 353

<210> 15096

<211> 335

<212> DNA

<213> Glycine max

<214> 15097

<215> 335

gtgajaagna gtctattgct ntctctctcat atccattccat ggtttgtgat attataatga 60
 gagcccaaca tgataatcct gttgtttgtgg gtgatgccc aaacattga atacctnta 120
 tgatagctcc acacttgcag tacatgtcaa taattatggt gagaaraacy acattcaact 180
 caaaattccc ctttttacat aatcatgaac ccactcccca tgtagaagtg caactaagtg 240
 agcacaaca ctttaacaac tcattcattt aaattcacta ggttgaaccc ttggtctctg 300
 catcttgogg aaaagctcca atgctcccat aagctcttta ttcctaacat atccactaat 360
 catagaatnc taagtaactc taattcttgt aggcattgta tcacacaacc ctctagattt 420
 atc 423

<210> 15097

<211> 335

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15097

cgaacaacaa taacttttca ctcggaagnc tgattgagtc ctgtaatat tctgacgct 60
 ctatgntaa aaccgaagct cgtagcatat tcgaacgaca ataacatttc actcggaagt 120
 cctattgagt cccgtaatat atcgagagtc tcgaattata gaaccgaagc tcttagcaaa 180
 ttogaacgac aataacattt cactcggaag tctattgag tcccgtaata tctctgacg 240
 ctogaatttt ataaccgaag ctctagcaa atcgacgac aataacattt cactcggaag 300
 tctattgag tcccgtaata tctcgagag ctoga 335

<210> 15098

<211> 326

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15098

ttctctgttg ganaactnga tgccttggtc aacctagtga cccaggttgc catgaatcan 60

tttataata gacttact ta ttaattcaaat taactcaact aaaaataaa tgaatcttct 74

atcaacagat acaatccagg ttggagaaat catccanac tgagatggac aagtccctga 310

caacaacaac agtctgtccc ttcttt 326

<210> 15099

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15099

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taatcgatta cgtaccttgt gtaatcgatt acaggctttt aaattcaaat tcaaaatttg 120

caaatctgtt tagaaatcaa ttaaccact ggtaatcgat taccagagac gaaatatcat 180

atttttgaaa atatgattgt tcttaaaaaa cttttgtaaa atatttctct tagtccctgtg 240

cagcatcaat taagggaatt tttctaagat cctaactaag tacatcatto ttcttgcatt 300

tctaaattct tgaactgaat cgntgtcctc ttgggcatca tcacaacttc atatcatata 360

tatttctaca cataatttca ttaaaaaaat aagtgtatat ttttaaaata aataacataa 420

actga 425

<210> 15100

<211> 448

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15100

ttcttcaat gtccatgath tctcttgctc tatacatctt ttagttttaa cacacaaaact 60

cgtgatttat tcaaacaaaa aggaatgaat ttggaggaag cagcgaagaa acttacttgt 120

<210> 15103
 <211> 359
 <212> DNA
 <213> Glycine max

atataaccc gaccaaccaa attgcaaata tgaatttgcg ggggaagaaa ggggtagtea 180
 ctataagtgt aaaaccaaga accggatcag aaatgtagaa tgtctccctg tgatacttgt 240
 cttagaggagc atttagagca aactctcttg gcaaatctgg attagccaag aacaaaacgac 300
 cgttaagcaac agatcagccc tgtcttcagc tactgcattg atcccatctt gogataata 359

<210> 15104
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15104

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 atttgcttcc aaagtctcat ggctttgcaa gtgaagaccc gcacaaacat ttgaaagaat 120
 ttcaacattgt ctgctccacc atgaaacccc cagatgtcca agaggatcac atattttctga 180
 aggcinttcc tcactcatta cagggagtgg caaaggactg gctgtattac ctgctccaa 240
 ggtccatcac gagctgggat gaccttaaga gagtattctt agaaaaaatt ttccctgctt 300
 ccaggaccac agccatcagg aaggatatct cangtattag acaactcagt ggagagagcc 360
 tgtatgagta ctggga 376

<210> 15105
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15105

ttctgccttc ttctatcttc agattgggaa tgcctctaac agcactcttg tcaatgattt 60

tcttcatgac	tcttaagtgc	agatgtccaa	atctntgatg	ccatattctg	acttcatctt	120
ctctggagaa	tagacatgtg	gaggagtaac	tgggtttcttg	atgtgtccat	aggtaaacgt	130
tgtcctttga	tctactgccc	tctatcagaa	cttcaactctt	ctcatttgtc	accaagcatt	240
ctctctctct	ctctctctct	ctctctctct	ctctctctct	ctctctctct	ctctctctct	300

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00100:      15106
00110:      400
00120:      DNA
00130:      Glycine max

00230:      unsure at all n locations
04000:      15106

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<S10>      15107
<S11>      390
<S12>      DNA
<S13>      Glycine max
<S1400>    15107

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ettetcaact aaccactacc cgtgcgatct

390

<210> 15108

<211> 391

15109

ttatcagagt ctggaatcc taaggaaacac ttattggaca tccgagtgan aagttattgt 60

cggttgaatt tggtcagaac ttctgtttta naatacagagc gtttcgatat attacgggac 120

tcaatcggac atttgagtta aaagttattg tggttggact ttctctagag ctcccgctnt 180

caacttcagc cgtctcgata tccacaggga ctcaatcgga catccgagta aaaagttatt 240

gtcgtttgaa tntgctcaga gcttctgtnt tcaattacga ggcgtttgat atccacggg 300

acacaatcgg acatttcagc caaaagttat tgcgtttga cttttcttag agcttnogtt 360

tacaatttcg agcttctcga tatattacag g 391

<210> 15109

<211> 387

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15109

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aaggtggagg acacatgaac gagaacacaa ttcattggnng ctccgaaaag ggggttgagaa 120

tggagaatta cactaagcaa tcaactacga tagctccaaa ctggaaggtg gaggacacat 180

gaacgataac gcaattcatg gtgctccgac aagattgaga atggagaatt gcactacgca 240

atcactacgc atctctccaa acgcgaaggt ggaggacaca tgaatgaaaa cgcattcat 300

guggctccga aaagattgag aatggagaat tgcactaac aatcactacg catagctcca 360

aactcgaagg tggaggacac atgaatg 387

<210> 15110

<211> 218

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 15110

tactcaaggg acttgaaatt caagctccaa aaactaaccc aaggcaacaa ggggggttgag 60

actctctc cccctctc tctctctc attcaagtaa atctctct cctctctc

ctctctc cccctctc tctctctc attcaagtaa atctctct cctctctc

<210> 15111
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15111

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attgqcgttt gaatttgcct agagcttcgc tattcaattt caagcgtctc gatataattac 120

aggactcaat cagacatccg agtaaaaagt tattgtcggt tgaatttgc cagagcatca 180

agattctatt ccgagcttgc cgatatatta tgggattcaa tcggacatcc gagaaaaaag 240

ttattgtcat ttgtatttgc tcagagcttc aacattcaat ttcgaggggc tcgacatatt 300

acgtgactca atcagacatc cgagttaaatt ggtattgtgc ttttaatttg etc 353

<210> 15112
 <211> 233
 <212> DNA
 <213> Glycine max

<400> 15112

atacgatatt gctgacacaa taatctctc tatatagtta ctgagaatca ttgtgtctgc 60

aacacaaatg gaatccaggt catcacaatc aagatcagtg gctgcaagca ctccatgat 120

atggtctctg tctctctgaa ctgtgatcat ctccatctcc tcttccaatt gagacttcca 180

gctgacaaga tgtgatccat cttctggggg cctgatgtct atgttgatg gga 233

<210> 15113
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15113

aaaatgggtga caaactccac ataactacaca tgtaaaacat taacaaggca tcttgattcc 60
 aaatcttga atgactcttgc tcatctttaa agtgaagaa taatcttgc tcttcttgc
 tcttcttgc tcttcttgc tcttcttgc tcttcttgc tcttcttgc tcttcttgc
 tcttcttgc tcttcttgc tcttcttgc tcttcttgc tcttcttgc tcttcttgc
 tatattctct atgtgataac cctaaaggca cttctcttgaa gcatcatacg atatgcctaa 120
 atcatcacat tct 313

<210> 15114
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15114

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 tcttgaatcg gacctccgag tgaaaagtta agaccatttg aatntctcga gagcttccgt 120
 tgttcaattt tgagcgtctc gatataattat gcgcctgagt cggacctccg agtggcaagt 180
 tatgaacatt tgaatttctc gagagcttcc gttgctcaat ttgcaccgtc tcgatataatt 240
 ataactcctga atcggacctc cgagtgaaaa agtatgacca tttgaatttc tcgagagctt 300
 ccgttgttca atttcgagcg tctctatatg tgatgcgcct gaate 345

<210> 15115
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15115

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 aattgaatgt tgaattctctg agccaatcca aacgaacaat aacttttact cngatgtctg 120
 attgagtcct gtaatatata gagaagctcg aattgaatg ttgaagctct gagccaatto 180
 anacgacaat aactntntac tcggatgtct gattgagccc cgtaatatat cgagacgctc 240

gaaattgaat gttgaagctc tgagccaatt caaacgacaa taactntnta ctgggatgtc 300
 tgattgagtc cggcatata tcgagacgct cgaaattgaa tgttgaatct ctg 353

<210> 15116

tctaacccat tttcgatagt acttgtgtaa gcccaatcca ggtggtagca aagaaacggg 60
 gcatgacaat caticagaat gaaaagaatg acctaatccc aacaaggact ttcactgact 120
 ggagaaatag catcgattac cacaagctca accaagccac gaggaagac cactttcttt 180
 ttccttccat ggaccaaatg ttggataggc ttgggggacg ggcttattac taattcttgt 240
 atggatactt tggatataat caaatta 267

<210> 15117

<211> 329

<212> DNA

<213> Glycine max

<225> unsure at all n locations

<400> 15117

gatscttcac ttcagggtga tatatttaat gatgtggtgg gcagcccata ctatgtagcc 60
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 ctttacatcc ttttgagtgg agtacctcca ttntgagctg gtgagatctt ttgtatttat 180
 ttggacagtg taattatgac ctctattcat ataaatgtat gcctttcttt tttctgatta 240
 ttaattctcc ctttgtcttt gtgtgggttc tatggttgtg tagaanacga acaacggata 300
 ttggaacaag tttgcgtgg tgatcttga 329

<210> 15118

<211> 314

<212> DNA

<213> Glycine max

<400> 15118

aagctacaaa aggagagagc atgaaatgaa gagccaatgg ttgatacatg gacggagatg 60
 aaaaagatca tgagggaagcg gtatcttccg cctagttact caagggactt gaaattcaag 120

ctccaaaaac taaccaaggg caacaagggg gttggggagt atttcaagga aatgyatgtg 180
 ctcatgattc aagcaaatat tgaagaagat gagyaggtaa ctatggctcg atttcttaat 240
 ggtttgacta atgatatccg tgarattgtt gagctgcagg agtttgttga aatgyatgat 300

<210> 15118

<210> 15119

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15119

cttcagacaa ctcccggtg ctggagctac ttcattttt ctgcatgggg cctatgcaag 60
 ttgaaagcct tctaggatag acgtatgctt atgttgttgt ggatgatttc tccagatnta 120
 cctgngtcaa ctntatcaga gagaaatcag acacctttga agtattcaag gacttgagtc 180
 taagactcaa aagagaaaaa gactgtgtca tcaagagaat caagagtgaac catggcagag 240
 agtgtgaaga cagcaagttt actgaatact gcacatctga aggcataact catgagttct 300
 ctgcagccat tacaccac 318

<210> 15120

<211> 325

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15120

atcctatctc cagacagccaa tgggtgagtc ctgtcccggt agtcccggaag aagaccggcc 60
 ctacagtgat aaaaaatgag aaggaggagc taattcttac tggggtgcag aacagttgga 120
 gagtctgcac tgactatatg aggttgaacc aggttaccac aaaggaccat tntccctgc 180
 cattcatgga ctagatgctn gaacgaactg cangtaaate ccactactgt ttccttgatg 240
 gttntctgg ttatatgcaa attactattg ctcccaagga tcandanagg accacattca 300
 cctgcccctt cngcaacttt gcta 325

<210> 15121

<211> 341

```
<225>      insure at all n locations
<400>      15121
```

aaattctctc taataatctc ttggggaac tgcacccacg tcatctctc gtaggtgaga	240
aaattctctc ttctccaaag aaattattcc atgtttctctc gattctctctc ttccatgggc	300
taaaaaataa caagcatcat attcagaccg taactttctc a	341

<L10>	15112
<L11>	392
<L12>	DNA
<L13>	Glycine max

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<223>    unsure at all n locations
<400>    15122
```

```

agcttggtatt actaccataa ggaaagaaaag taatgggtgt ctacaaacaa tatggatgag      60
gcaggytaacg ttgtcagaaa caagacaaga ttggttgcca agggttactc acaacaaaaa      120
ggtgtagact atacaaaaaac ctttgcctctt gttgcttgtc tagaggcaat atacattnta      180
ctctcatttg cagtccatac aaaaatgaga ctatatcaaa tggacgtaaa aaatgcattc      240
ctcaatggag taatataaga agaagtctat gtagaacaac ccactgngtt tgaaagtaac      300
actgttccac acatgtgttc aaactctata aaacattgtg tggacttaag aangctcctt      360
gagcttggtt gaacatctta gttcatttca tg                                     392

```

.2108	15123
.2118	399
.2128	DNA
.2138	Glycine max

```

4233.      unsure at all n locations
4400>      15123

```

agcttgata atggattcag cgaatgtttt ctatgggggg caggataaac ctcatcaat+ 60
ctgtcccaag aagcctccct atctaccttc tctctttttt cagaattcct aaaaaagtga 120

tacataaggt agttttctatt cagaggaact tttgtgggg ggggtggttct gaaacagcta 130
 aaataccatg ggtgatctgg gatattgttt gtcttcccaa gactaaagga gggttgggga 240
 tcaagaatt gtctaagttt aatgaggcct tgattggtaa atggggatgt gatctggcta 300

<11> 15124
 <111> 354
 <112> DNA
 <113> Glycine max

<400> 15124
 agtttgcata ttggaatcag cgatgtcttt ctatgggggg caggataacc ctcatcaatt 60
 ctgtcccaac agcctccctt atctaccttc tctctttttt cagaattcct aaaaaagtga 120
 tacataaggt agttttctatt cagaggaact tttgtgggg ggggtggttct gaaacagcta 180
 agataccatg ggtgatctgg gatattgttt gtcttcccaa gactaaagga gggttgggga 240
 tcaagaattt gtctaagttt aatgaggcct tgattggtaa atggggaatg ggatctgcta 300
 ataaccagaa tcagccttgg gctagagttt tgatgtccaa gtatgggtgg tgga 354

<110> 15125
 <111> 273
 <112> DNA
 <113> Glycine max

<123> unsure at all n locations
 <400> 15125
 aaattaactc gaaagagagg ttttctttaga tacaggggaa aaagtctctc tataatcgat 60
 tcttctcttt tgagtgaatc ctttagcaac aagtcttgtc ttatgtctct caatgttgcc 120
 ttctaagttt ttctttgttt tgaagaccca tctacatctg atggctttta caccaacaac 180
 caactcaacg agatcccaaa ctgggtttaga tggcatagaa tccatctcat ccttcatagc 240
 attataccac annattgatt ccttagaact cat 273

<110> 15126
 <111> 362
 <112> DNA
 <113> Glycine max

taaaataatt tagataaaaa ataaataaaaa agaagtttca gacgtattag acaataaatt 300
 etcacattct catgaaaata tcaattttct accctcttca tgggaatata aatattagag 360
 aatataataa aaaaattata acattaatto tcaagaatca ataatacca 409

<210> 15129

<211> Glycine max

<223> unsure at all n locations
 <400> 15129

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 aaactgatga cagtgcacct gaataaattt agaattgttaa actgtctact caattcatga 120
 tgataatggt tatctttctt gtatttttaa acaattttat tactatgtaa atatattatc 180
 aatgtgtaat ctattttaat tggcacatta gttttcattt tactcttact ctataaatca 240
 gataaacata catgcaaaat tttttacaaa caacccgtgt gtaagcaagg gttgcaact 300
 agtgracata tataaaatga gaagtgtggg gttagtcttg aaatataaac agaaatggat 360
 ggggtattttt gggaaaaatt attttagaat aatg 394

<210> 15130
 <211> 267
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15130

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 cacagttaaa tcaacaactg tcccagaatt ntgacagatt accttctcaa tctgtccaga 120
 atccccaaaa tgtgagtgc attacattga ggtcgagaaa gtagtgtcaa ggacctcaac 180
 cagcaacatc tctctcctcc gcaaatgaac ctgcaccaact tcactctact ccagaanaag 240
 atgatgacaa aaattttaaag agtaagt 267

<210> 15131
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 15131

agctgaactta tctcccatgg ctaccaacga tctgattcgg atcattctct tttcttgccg 60

ataacgggct ccacaattac catcctctta gtatatgtag acgacataat tcttacaggg 120

ctctctctct ctctctctct ctctctctct ctctctctct ctctctctct ctctctctct

ctctctctct ctctctctct ctctctctct ctctctctct ctctctctct ctctctctct

aaagcgcatt caacaccaat gqattatca ataaaactac aaaagacctc gggtaacctt 300

cttcggaacg agtctctctc ctctctac 338

<210> 15132

<211> 329

<212> DNA

<213> Glycine.max

<400> 15132

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agagaatcct gcggtccata tgcctgttg agggaaggga caataaatct gcacccttgg 120

attttcaaac cccaaaaaga ttgggcaatc actacttcat aaacattctt gaagggaaag 180

acttggttagg ttctgacaat gttcttatta gccatgaatt acttggaag attacagagc 240

aggtgtggga tttatgcctct aatgaaaaaa tcttgtctgc ttcatttgc aaatctatga 300

ttaggatggg aaacatcaat gttcttact 329

<210> 15133

<211> 351

<212> DNA

<213> Glycine max

<213> unsure at all n locations

<400> 15133

agcttctata taagggttct tcttaatatc tctacaattt catcaacctt caatgagcta 60

gtgaagaaga atgtgacatt tacttgccgt gaaaaacaag agcaagcctt tgcctctgctc 120

anagaaaaagc ttactaaggc acctgttcta actcttctctg acttttctaa aacttttgag 180

ctaaaaatgg atgcttctgg agtgtgagtt ggagctgttt tgttgcaagg tgggcacctt 240

attgcttatt ctagtatcaa acttcattgt ggcacctta actacccac ctatgataaa 300

gaagattatg cettaataag agcaactcga acttgggaac attaccttgt t 351

<210> 15134

<211> 338

<212> DNA

<213> Glycine max

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ccccaggaa tgggaggaac agtatagaag gcttatgaac tnttggaaaa cacaccaaat 120

gctcagatgc tgcacaatt ttcaaacctt gccaatctc aagttacctg aacctaaatt 180

actattgctg ttgaaatct cctaccaaga cagaaaaatc agtagaacta ggetngtatt 240

atgcttgtgt gatgcttcat tgtacttaaa gtaatacta gaatatatgt ctaacataga 300

tgcttggctg tacaatggtg catttattta ttaaatga 338

<210> 15135

<211> 405

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15135

agcttaattg cactattcaa tggagttgac aagaacattt tcagactgat caacacttgc 60

acagtggcca aagatgcatg ggagatcctg anaatcactc atgaaggacc tccaagtga 120

gatntccaga ttggcaactc ttggctacaa aattcgaaaa tctgaagatg aaggaggaag 180

agagtattca tgacttccac atgaacattc ttgaaattgc caatgcttgc actgccttgn 240

gagagaggat aacagatgan aagctggtga gaaagatcct cagatccttg cctaagagat 300

ttgacatgaa agtacttgc atagaggagc cccacgacat ttgcaacatg agagtggatg 360

aaactcatgg ttcccttcan acctttgagc taggaactctc ggatg 405

<210> 15136

<211> 370

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15136

agcttgagtc ttttgtaaat ggcgacattt atagcatgaa tagtggtgtg tgtaaccaac 60

aagtcacaa ctacttctgc ctgagaggta ccttagaggt actggggtat tgacgatggg 120

tttgccttgc tttgcttgc tttgcttgc tttgcttgc tttgcttgc tttgcttgc

tttgccttgc tttgcttgc tttgcttgc tttgcttgc tttgcttgc tttgcttgc

tttgccttgc tttgcttgc tttgcttgc tttgcttgc tttgcttgc tttgcttgc

atgataagca gtgtcctatc atagcttctg cccacataag cgaaagagtt ccgcgcataa 180

ggcacttatg 300

<410> 15137

<411> 209

<412> DNA

<413> Glycine max

<400> 15137

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gatggccttg attaactcac ggaccacttg gaccccatct ctaccaacta cacaacctga 120

gaagactata ttatctacac aaaaagtaca ctactgtata ttagcataca gggagttttt 180

cctatcgact gacataactt gtctgacat 209

<410> 15138

<411> 253

<412> DNA

<413> Glycine max

<423> unsure at all n locations

<400> 15138

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ctgggtgnet aatgggttta gcccctctct ctaaaagtat ccgatgcata catgtgaatg 120

ggctaatacc aggaatgtcc gccaggytcc agcctatagc cttcttatgc ttcttgagaa 180

ctgatgacaa cttctctctct tgcctatcaa caagggaagg agatataatt actggaaaac 240

tttgcctctc atc 253

<410> 15139

<411> 376

<212>	DNA
<213>	Glycine max

[illegible]

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<L10>      15140
<L11>      360
<L12>      DNA
<L13>      Glycine max
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<23>      unsure at all n locations
<400>      15140
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gaaaatggta ttaatcacia tttttctgct tcaagaactc cttaacaaaa tggagttggt	120
ttgagaggaa agatagattt ctttaggaat taacaagaac tatgctaaat gaaaaccacc	180
tacctaaata cttatgggtg gatttcattt gtacaacttg ttatgtttctc aatacaatga	240
ttataagacc gattntgana atgacacett atgagggtcta caaaggtaga agcctaaata	300
gacacatga aanagtcttt ggggtgtaaatt gctttgtggt aaacaatggt aaataatcac	360

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.210>      15141
.211>      227
.212>      DNA
.213>      Glycine max
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400> 15141

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ccttcaaggc acccttgcca aactagggac atctgtcata ggattcaccg tccatgactt	120
tgcagatata atcttccaca acaatgacaa ttacagccag tcattggcaca tggatggatc	180

tagcttctat gttgttgggt aggacatcta tttttattat ttattta

227

<210> 15142

<211> 410

<212> DNA
<213> Glycine max

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gaaagcccaa ctatctcagt tgtatgcttt tctgaagctt accttaaaatt aaaaacaatt 120

caagtgaat ctctggggcc aatccaccac ctcatctatg atcatcagc catcaaat 180

tgcctacta ggaatgtang aaaattgaac ttctgatata acagatccca agacctctt 240

catttgtgtg gacacaaact tagatatgat tctgtgaaga ctccctanta gtgataaggg 300

taaaaaaatt tgacatagac tatggattct tcttcttttg aattaaagca atacatgaat 360

aaaccacaga tctgggaaga gaagcatnta ggtaaaattc ttgcacacat 410

<210> 15143

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15143

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ggatggcctt gattttctca aggtccactt ggaccccatt tctaccaact acaaaacct 120

agaagactat attatctaca caaaaggtac acttctctat atttgcatag aggggtgttt 180

tcctaaggac tgaaagaact tgcttgagat gtctaagtg atcatctang ctctactgt 240

acactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc attaagacat 300

gatgcataag cctcataaag gtgcttgggtg tgttagtgag cccaaaaggc atcactagcc 360

attcatacaa a 371

<210> 15144

<211> 365

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 15144

ttttttctgt acaactacat tccatataac aaaatatctt ttctctatat ccacacgcac 60

ttttttctgt acaactacat tccatataac aaaatatctt ttctctatat ccacacgcac 60

ttttttctgt acaactacat tccatataac aaaatatctt ttctctatat ccacacgcac 60

acacatgttg ttatatataa aaactcttat cacacatctt ttatatata acaacccctt 300

ccacacattg ttatatataa aaaaatttct tttcttttct ttatatacag atatgacatt 360

ttgtt 365

<210> 15145
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15145

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tcacacatag agtagttgga cctgtaaaat ttgtgatttt taagaaattt gagccaacaa 120

aaaagagtgt tcaagagaat gtgtagaga cagtgttgct accattttct tgttttaggaa 180

ttgtgtttgt agttattagt gaaaatagaa atagaaaata ttttccttat gtcaaacagg 240

cttctgcatt actattttta gtttttataa cattatgata gatcattata tttttttct 300

ttctctaaaa caaatgattt gtttattgtc ttgnggtggt gtatatataa actgatcaac 360

acattttact tttttttttt tgcctgttca ttccaatgta caaatgattg gcttatgatg 420

caacaaaaac t 431

<210> 15146
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15146

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gagagaaaat agaagcatcc caggataggg agaagagcta ttatgacoga aggacaaaagc 120
cattagatatt tctagaagga gaacatgtng tttttaaggt ttctcctgta actggagtcg 180
gaagagetct caaatctagg aagetgacgc ccaagtatct gggtcctgat caaatcttga 240
ctctctctct ctctctctct ctctctctct ctctctctct ctctctctct ctctctctct

<210> 15147
<211> 428
<212> DNA
<213> Glycine max
<22> unsure at all n locations
<40> 15147

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ttttgttaaa acataagcac ttagacaatg aaggaaagct ggagttgctg cacatgatgt 120
ccaaagttat gtcaaggaat aagatcgggc tacacaatgc acaaggcaag ataaaatgtc 180
aaatgaagaa ttgaagttgc aggatccacg atgtcggata caatgtcctg acatcctgcc 240
cgaanatact ggagttgttg cacaatgcct aagtcaagat aaaatgtcaa atgaagcatt 300
gaagetgcag gatccacgat gtccgatacg atgtcctgac atcttgcccg anaatactgg 360
acacataaat ctgttatata ttaacagat tattgtgcag ttagcaaaaag attagatgat 420
ctatcttt 428

<210> 15148
<211> 295
<212> DNA
<213> Glycine max
<22> unsure at all n locations
<40> 15148

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ttttctcaag gtccacttgg acctcatttc taccacactac aaaacctatg aaaactatat 120
tatctacaca aaaggtaaac ttctctatat ttctcatagag ggtgtttttc cttaatgactg 180
aaagaactag cctgagatgt cctaagtgat catctangct cctactgtae actaaaatat 240

catcaaaata aacaactaca aatctaccta tgaaatccct taagacatga tgcatt 295

<210> 15149
<211> 362
<212> DNA
<213> Glycine max

aattcaagct tatgggaagg cccatttgcct tggagaggt atg aattgt tt tcaagaaat 60
tgggggtgag tngcagtgc aacaaacctt gaaatcattt aattctgttc tcaatgtgat 120
tggtaagag ggtctcttca atcgtgcatt ggagttttac aatcatgttg tgcattccaa 180
tattttgaac attcacccta atgcactcaat ttttaatttg gtcatttaagg ccatgtgtag 240
tatttgggttg gttgataaag caattgatgc ttttagagag attccactca ggaatttggc 300
tccggataat tatacctatt cgacattgat gcattgggtg tgcattgaag agagaattga 360
tg 362

<210> 15150
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15150

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atctctatca gacactatgc tagatggcac accatgtaat atgacaatct cactaatata 120
cagagaggto aacttttcca aggaaaatat gatattaatg ggaataaagt gacagactt 180
ggtaagcctg tcaacaataa cccagataga atcaaaacct ttgggggttc taggtagtcc 240
taccacaaaa tccatagaaa tattgttcca tttccactgg gtatctccaa gggttgtaac 300
ttccctgaag gtctctgata tcttagcctt ctgacagact aaacatgcct acacaaactc 360
actaacctct ctcttcatgt tgggtaccca aaacatcctc ttcagatctt gatacatctt 420
gttagcacca ggatggatgc tcaaaactact cctatg 456

<210> 15151
<211> 377
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15151

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gagcttcctc ccttcctcctt ccttcctcctt ccttcctcctt ccttcctcctt ccttcctcctt

gaaatcaatc agacatcga gtaaaaagtt attgtcgatt gaatcagatc agagggc caa 120

cattcaattt tgagcgtctc gatatacgaa ggaactcaat cacacatgcg agntaaaagc 180

tattggcggtt cgaatatgct cagagcttca atcttcaatt acgagcgtcc ctttatatta 240

cgggaatcaa tcaatca 377

<210> 15152

<211> 363

<212> DNA

<213> Glycine max

<400> 15152

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caaaaatcgaa aggtaatctt gggatttcag tccatttatt tgacacagaa tcatatattt 120

cctccagagtc cagaggctca tccaagatc ccagacctcc aacagctatc aacaaaaatc 180

ttttactgcc ctttgagctt gaatgtcac ttttttgctt aaagaatttg tatgtctttc 240

gactgggcag agacaaagct tcagtctcat taaaagcagg tctgcaatgg cgtctcattg 300

aaagcttggtg gggatcttca tatacgtctg aaaccccacc aatccttgat cttggaaaac 360

gtc 363

<210> 15153

<211> 457

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15153

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gcatactcga atgcataatg agcaattcgc tctgaacaaa accttggtat tacctagtaa 120

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15156

atccttggcc cccttagaga ttttgtaaag atgtctgcta gttgatcatt agaactaacg 60
aatcagtaa taacttcctt agaaaggact ttctctcgga caaaatgaca atcaattcaa 120
tatctttaag tctctcatgg aatatgggat aaaagctata tataggactg tctgattatc 180
acaacatagt ttcatttggt gagtatttcc aaacttcaac tcttgaagtg tttaatccca 240
cttcaacc 363

<212> 15157
<211> 259
<212> DNA
<213> Glycine max

<400> 15157
atccttggcc cccttagaga ttttgtaaag atgtctgcta gttgatcatt agaactaacg 60
aatcagtaa taacttcctt agaaaggact ttctctcgga caaaatgaca atcaattcaa 120
tatctttaag tctctcatgg aatatgggat aaaagctata tataggactg tctgattatc 180
acaacatagt ttcatttggt gagtatttcc aaacttcaac tcttgaagtg tttaatccca 240
tgagacacat gtgactaca 259

<212> 15158
<211> 360
<212> DNA
<213> Glycine max

<400> 15158
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ttttcttgty ttatacgtgg atgacatttt gcttatgact aatgataagg gtttgcata 120
tgaggtgaaa caattcttct tgaagaactt tgatatgaag gatatgggag aaacatctta 180
tgtnartggc attaagaacc atagggaag atctcgagge attttgggtt tgtcttaaga 240

gaattatata aacaaagttc tagagaggtt taacatgaaa tattgttccac caagtgtagc 300
 tectattatg aagggtgaca aacttgattt gagccaatgc cttaaaaaat gattatgagt 360

<210> 15159

<211> 11

<212> DNA

<213> Glycine max

<400> 15149

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 aaaaaggcca aagtgcgcga aacatgaata atttaatcat acacaaaagca taatttgtaa 120
 acaaacata aaagattctg aaacatacat aaagaaaaac atgaataaaa ccaaattgaa 180
 atgcaaacca cttagtcata taacacaaac cattaatatc atgttcagtc atactaagca 240
 aatattaata gaaatactaa gtcttcaaat gtcataataa tatagccaaa tacacggcta 300
 gaaaacaaaa tactaataat aatagtaatg tctaaactga tagtggtagt ggaggtaaat 360
 taaggggagtc acgaatgatg gtgaaatctt cttcaacctt tgtgatcctt gagtncattt 420
 cgtogaatcg cgtgtccact 440

<210> 15160

<211> 265

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15160

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 tatcttggct aatgggcttt gtgtggaaaa cggatgtgca actgccatgg tggggtatgc 120
 tcttgcattt tggtaggctt ttattgttaa ccttccctat tgggtgcatt caagcaacta 180
 ccaaccaggt accatctcca ctattatttt gatgcagagt gggaagcaat agaggtttaa 240
 ctttttaaca cttttttttt ttttg 265

<210> 15161

<211> 441

<212> DNA

<213> Glycine max


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attacggggac tgaatcagac atccgagtaa naagttattg tcgtttgaat atgctcagag 180
cttcaacatt caatttcgag cgtctagata tattacggga ctaaatcaga catccgagta 240
aaaagtattt gtcgtttgaa ttctctcaga gcttcgggat tctatttcga ggcgtctgat 300
ctctccttct cttctctctt cttctctctt cttctctctt cttctctctt cttctctctt
```

caataaccttt ttacaggaat gtctgattga gtcctgtcat atatcgagac gctcgaaatg	60
gaatgttgaa tctttgagcc aatccaaaac gacaataact ttttaactcg gatgtctgat	120
ctgtgtcccggt aatataacga gaactctcaa attgaatggg gaagctctga actaattcaa	180
atgaacaata actttttaact cggatgtctg attgagtcct gtcatacatc gagacgctcg	240
aaattgaatg ttg	253

<210>	15165
<211>	439
<212>	DNA
<213>	Glycine max

```

<400>          15165

actcaagctt aacattcaag tttagagcgtc tcgtaatatt actgtacttt atcatacatc    60
cgagtaaaaa tttattgtcg tttaggattgg ctacagagatt caacattcaa tttcgagcgt    120
ctccatatat taagggaactc attcagacat ccgagtaaaa agttattgtc gtttgaatta    180
gcttagagct tcaacaatca atttcagagtg ctccgatata tcacgagact caatcagaca    240
tcagagtaaa aagttattgg tcgttgaatt ggctcagagc ttccacattc aattttgagc    300
gttccaatat attacggggc tcaatcagac atccagagtaa aaagttattg tcgcttgaat    360
tggctcagag ctccaacatt caatttcagag cgtctcgata tgtgacgaga gtcaatcaga    420
caticcaarta aaaagtatt                                     459

```

•(210)•	15166
•(211)•	239
•(212)•	DNA

Figure 1. The effect of the number of trials on the number of correct responses. The number of correct responses was significantly higher than the number of incorrect responses in all cases. Error bars represent the standard error of the mean.

<400> 15167

actatattct taatacattg gtgctttcaa tcactcataa cttttga 407

<400>	15163
-------	-------

cactaataac taataatctg gaaaaagttc aaaaacctgc tgaataatta aactttgta 360

atcatatcgc attgtgtatt atatttagac tttaactctca tttctcttct ctataaatat 420
 ctaataacag aggtgtacaa gaacttggg 449

<222> unsure at all n locations
 <410> 15169

gtgcacactc tcttcaagaa aaggatgtag aatctgaaat tctgatacca atgacagatg 50
 tcttacccga tctcacgaca tcaagcttca gaacatgcag atgatatttg acagtatgaa 120
 gagattaaac aagtaaataa cacaggagaa ttgttaaccc agttcgggtgc aacgtcacct 130
 acatctggng gctaccaagc cagggaggaa atccactana atagtgttag ttogaagatc 240
 taacaaccac tgtttacaac cttctcacct aaccactacc catgcaacct ctacctaaaga 300
 gctactctta gatatgagaa cacctctcac tccctctcaa tcaactctcc gtgggttacca 360
 ataatcana gadacac 377

<210> 15170
 <211> 160
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15170

gacatggga gnoctcaaga gcttcggtg ttcaatttcg agcttctcga tatgtgattt 60
 gcttgaatcg gacatccgtg tgaaaagta taccaattga atttctcaag agcttccgtt 120
 gttcagtttt gaacgtctcg atatgtgatt tgcttgaatc 160

<210> 15171
 <211> 371
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15171

ttcatgcaag ctttgcctta nttctaaaga gctcgacaat ggggggtgtc ggaacccgat 60

caagcaccgt gattgcattt aaagctctgt agtccatgca aaagtgccat gaaccatact 120
 gcttgcgaaac taggagacaa gacaagaaaag gtcctttcta gagcattgat tcaacctgag 180
 attcaatctc atgtttcttg taatgtggat aacgataagg ccgtacgttg actggcgag 240

<210> 15172
 <211> 323
 <212> DNA
 <213> Glycine max

<400> 15172
 tctttcttga agactaactg gatgctcgg tcaacttggf aacctagctg gccttgaatc 60
 acaaatctgt acctgtcgca agggttcttg gttgtgctc ctctgtgac caccatagag 120
 acctttgcgc tccatgcag caacctggag caattgagca gactgaagct tatgtgcaa 180
 atatttacia tagacctct caacctcagc agcaaaatca aacacagtag agcaattatg 240
 acctttccag caacagatac aaccttggat ggaggaatca cctaacctc agatggctca 300
 gcctcagca acaacaacag cag 323

<210> 15173
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15173

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 cactttacga cctgaagcgg tacaacaaaac caccgagaag gtaaaagtga tacaagaaaag 120
 gatgaggact gcttagagta ggtagaaaag ttatcaagat aagaggagga aacacctgga 180
 attcagaggt ggtgatcatg tattctttag agtcaactcc tggactcggg ttggctgagc 240
 attgaaatct cgaaaactca cacttcattt tataggtctt tctctggaat tcaaaatgac 300
 attctctttt agtagaatct gaaacacccc ccagcccttt atgttttgc aaggggatt 360
 gaetccgaat gttgtcatta accttatttc tganaatctt tactaaatat cctttaaatt 420

<210> 15174
 <211> 398
 <212> DNA
 <213> Glycine max

ttttaggtca agraagrygt ttttgaatc aaacagatca aaattgatct tctgacatc 120
 tatgcccgtt tccagttttac cctttctcat atccaccaca caatcggcgg ttaacatgaa 180
 tggatggccc anaatcaagg gaatttttanc gtctctctca atatccatta caacaaaatc 240
 tccagggaaa gtaaaatggt gcaccttaac cacaacatct tcaattatgc cataaggcct 300
 tctaatagac ccatctacaa gttgtagtgt cattctagtt ggcataatct ccaactcttc 360
 aatttccttg cccatggaga gaagcatcaa atgtatat 398

<210> 15175
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 15175
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 actcaactgc tctcaatcc aacagttgga cctttctgat aacagctttg aaggagaact 120
 tcttccagc ttggacaaac tgcagaacct cacagatctt gtgctcaaca acaacagttt 180
 tgttggatct ttaecttctg aaattggcaa cattagtagc ttggaaagtc ttttctatt 240
 tggtaacttc tccaaaggta atattccgtt ggagattgga aggctgcaca gattgagctc 300
 ccttracctc tatgaagacc agaattctgg acccatacca atggagttac caactgccaa 360
 gcttagaaga agtgacttct ttgaaatcac tccatgggt cattccaaaa cta 413

<210> 15176
 <211> 397
 <212> DNA
 <213> Glycine max

<213> unsure at all n locations
 <400> 15176

tttcttgtat gtgtttacat ttcaagtga tatatagctn tagcccaaca cttgttttga 60
 ttcagtgaac ttattacaac aacaatagtc ctacatacta catgccccta gagtttagaa 120
 gatttgtcaa ctggatccaa aaccatagca gaaaagaatg taaataaat gtgaataaaa 180

<210> 15177
 <211> 435
 <212> DNA
 <213> Glycine max

<22> unsure at all n locations
 <40> 15177

cggaattcct gtgttctgag aacctctcct ttctcaagtg taatttaacc caatcacctg 60
 gttcaagcac gaactgtcttt ctgctcttct tggcttgcct tgcatagcct gcattttctt 120
 ttcaagttg agccttcact tgcctctgca acttcttcac atactcagct ttagcctgtg 180
 catccttatg cttaaacata gcaatgttag gcatagccaa caaatcaaga ggagtc aaag 240
 gattaaatcc atacattatc ttaaatggtg aacaattagt tgtgctatgg acagcccgat 300
 tataagcaaa ctcaacatga ggcaaacagg ctcccaaga tttaagattt ttctttaaaa 360
 caatcctaag cagtgtgcct aaagtccat tgactacctc agtttgacca ttagtntgtg 420
 ggtgacaagt agtag 435

<210> 15178
 <211> 231
 <212> DNA
 <213> Glycine max

<400> 15178

gtttgatcag cgaactcata atgggtgacc tgcagagtaa gactccttct tatctgcaca 60
 accaaattat tcaagcacag tcgataatat agaagatgga actatcacia ttagtattcc 120
 ttcaaagaat gggaaagggc gtccatcctt taacttcaac aaagtctttg gaccatctgc 180
 atcccacagt tgggttgggt ctgagtttca gctatctcca acatcactat aatttagtaa 240
 atattgaaca aattctctct cttgtgttca accgaagttc t 281

<210> 15179
 <211> 399
 <212> DNA
 <213> Glycine max

ggacatccgt ctaaaaagtt atgcccattg aattctctga gagcttccgt tattatatt 180
 ttagcatctc gatatgtgat gcactctaaa aagttatgcc atttgaattt ctgaaagct 240
 tccgttgttc aatttttagc gccatgatat gtgatgcact ctaaaaagtt atgcccattg 300
 aatttgtcga gagcttccgt ggttcaattt ttagcatctg gatatgtgat gcgtgtgaat 360
 cggacattcg actgagaagt tatgaccatt tgaatttct 399

<210> 15180
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15180

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 atatatcgag cgtgcgcgaa gttcaatcac aagcagcata gatatgcgca tgtactcaga 120
 ttagacatta gagcgaaatg ccatgaccat ntctaataga gctgagagct atccgatttt 180
 taatcatcta gcgtctgaga tgagttatga cacacgaatc gacacatcta gagtgaacaa 240
 gagctgacca ttgcgaattt gtcgagagct acatatgtga atctctcaac gtagagatga 300
 cttatgaatc cgaatagaac atccgtgtga aaa 333

<210> 15181
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15181

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gaatccatct tggccctttt tccacaaactc tegtanatgg gagagaaaat gtcactctaaa	120
gcataaccaag tccctaattatt atcacaatnct aaaaattggag ctcccttagga gaaaaacaat	180
gtgtgtctcc tagagacggc atbagctacc acatttggtt tccattcttt gtatttgata	240
gctatttctt gctttcttct gctttcttct gctttcttct gctttcttct gctttcttct	300
gctttcttct gctttcttct gctttcttct gctttcttct gctttcttct gctttcttct	360
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gtctcgaaca	aaggtggagt	atggaggatt	tccttgaggg	tccgcgctta	agcaatcatg	120
aaacccagct	ccaaaactga	aagtggagga	cacatgaaca	accttaagca	ataaacattca	180
tytggtctcg	gaacaggatg	agaatggagg	attgccttga	gggtcctctc	tatatgcaatc	240
atggaacaca	gtctccagct	caaaaatgga	ggacacatga	acagccctaa	gcaataacat	300
tcattgtggt	tcagaaaaag	acgacaatgg	acgattgcct	tgacggctct	ctcttaagca	360
atcatggaac	acagcctcaa	ggctcaaaat	g			391

Agctttttgca ttctgggaatc attnataccta tcttcgatag cgaatgggng agtcccgctcc 60
aggtagttcc aaagaaaaacc ggtctcaccg tgataaagaa tgagaaggat gacnrgattc 120
ctactcgggt gtagaacacc ttggagagtat gcatcgacha aaggagggttg aactaggtta 180
ccccaaaatga cccataacca ctcccatcca **daccaca* gcttgaaccc ctatcagcta 240

aatcttacta ctgcttctct gatggtcttt catgtcacat gcaaatcaat attgctctta 300
 aggaacaaga gaagatcaca ttcacctg 328

<210> 15184

<400> 15184

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 agcttcaccc ctatgacaaa atacatgaga atacaaaaaa aatccctact acaaagacta 180
 ctcaaaaatgc ctggaataac aaggctaaaa ccttatacta ctagaatggc caaaatacaa 240
 agcccaaatg aaggaaaaac ctattctaat atttacaag ataaaggggc tctacttag 300
 cccatgggct cgaaatctac cctaaagctc atgagaaccc tangggcctt ccttggtct 360
 ctgaaccaat ctacttgag tcttcta 387

<210> 15135

<211> 321

<212> DNA

<213> Glycine max

<400> 15135

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 cttcagagga ctacacgtcc tcccttcat aggactaaaa gtctctcctt tcagaggact 120
 acacgtccac gcttcagag ttctacacat cttcgcgttc agagggctgc acgccctcat 180
 cttcagagga ctacacgtcc tggccttcag tgggtacac gtctctcct tcagaggact 240
 gcacgccttc acctttagag gactacacgt cctagcgttc agagggttaa acgccctcac 300
 ctctaaagga ctaaaagtc t 321

<210> 15136

<211> 429

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15186

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cttcatttaa gatttccttg gtgaggtggg acatagtctg cctacctaag agtaaaagtg

tggtatctt caagtagcag caaagcaaca caatttgaa aaatagctct attttgcca 300

hangtaagga cggtcacatg aatacaaacg aagtacttat tggcttgcaa caaaaaaaca 400

ctcattgga 409

<410> 15187

<411> 408

<412> DNA

<413> Glycine max

<423> unsure at all n locations

<400> 15187

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tgacatgttt gagaggtttt ttattacaat ttaaattggc tgcccatga ggaatacctt 120

gcacctatgt agcatggaaa atacctttca atggatatga tatatgtgaa tatatatagc 180

atggaaatgc ctgcaaaagt gtgtgaatat atggcatata tataccttgc aaagtgtgaa 240

tgtatagcaa ataattgaatt tcaaaaatct gtatatgtaa gataggtagc gtaaaaaatg 300

cctttcaaaa tatgtatatt tgtgggtagg tagcataagg agcctttcaa acaaaatgta 360

cccatggcaa anattggcag agaattgttc ccaaatgaat atatgatg 408

<410> 15188

<411> 401

<412> DNA

<413> Glycine max

<423> unsure at all n locations

<400> 15188

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gaaatctgag gtttattatt caaaggatca aagtggaaaa aaggccacac catgaccttt 120

tttatagcct aagtgtcacc caaaattyga gggaaattga aatttcaatt caaatttcac 180
 tttgaatttg aaattgattt tytggaaaca aacttggagc caaaattcac taatatgatt 240
 agtgaatttt agtatgattc agcccaactaa tccaagattc tccactaagt gtgcttaggt 300
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<210> 15189
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15189

agctttaatt tccaattacg agcgtctcga tatataacgg gactcaatca gacatccgag 60
 taaaaagtaa ttgtcgtttg aatttgcata gagctgcggc attcaatttc gactgtctcg 120
 atatattaac ggactctatc agacatccga gtaaaaattt attgtcgttt gaatttgcctc 180
 tgagcttcaa cattcaattt ctagcatccc gatataattc gggactctat cacacatccg 240
 agtaaaaagt tagtgtcatt tgaatatgct ctgagcgtca acattcaata tcgagcgtct 300
 tgatatatta cgggactcaa tcagacatcc gagtaanaag ttatggctgc ttgaatttgc 360
 ccagagatac aacattcaat ttcgagcgtc tcgatataat acgggactca atc 413

<210> 15190
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15190

aataacnntt ttacttttcg gatggctcng aaattgagtc acagtaataa tgtcaaagac 60
 gcttcgaaat atgnnnatac cgaagctctg agcnaaattc ataacgaaca atacctattt 120
 gaactcggatg tcggattgag tcaagtaata tctcgagacg ctcgaaattg aataacgaag 180
 ctctgagcga attcatacga caataacttt ttaactcggat gtgcgattga gtcccgtaat 240
 atgaacgagac actcgggaatt gaatacggaa gctatgagca aattcaatcg acaataacat 300
 tttaactcga ttctcggattg agtcaagtaa tatg 334

<210> 15191
 <211> 326
 <212> DNA
 <213> Glycine max

<220> *Phytophthora blight* (1991)

tttgaatttt ttgagagatt caaatgggta taaattttta ctggcaggtt agat tgggt
 gataacata tggagacgct tgatattgaa caactgattt tctgagagaa ttcaaagtgt 180
 tataactttt aactcgcatg tccgattcaa ggcataaca tatcgagagc ctgcacattg 240
 aaaaaggat gttctcgaga aattcaaatg gtcataactc ttcactctca tgtgcgagtc 300
 aagogaataa ctatctaga caactg 326

<210> 15192
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15192

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 ggcctcctcca aaataattgg aatntcctaa tctcctttta tgtccatgat cacaaaatca 120
 gcttgaaaaa tgaatttacc aactatgata agcaaattct ccaattattc ttccagataa 180
 gtaatagttn tatctacaag cacaagagaa atgttaatgg gttgnggttc ttgtaactcg 240
 aacttccttat aaacaaaata aagcatcaaa tcaatgcttg caccaagatc acataaggct 300
 ctatcgantt tcagctccca tagtacangg aatgaaatcc catgattgtg acttagaggc 360
 atttccttaa actatataag cattctcatt gagccactgg gaaa 404

<210> 15193
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15193

tggacttctt ggtttctggg aaactctcct ttctcangtg tatccaaacc caatcaacta 60

gttcaagcac gaattttcttt ctgcttttgt tggcttgcct tgcatagetc acatttttct 120
 tttcaatttg agccttcaact tgcctatgta gtttcttcac ataactcagct ttagcctgtg 180
 tggctttatg cttaaacata gcaatgttag gcataaggaaa caaatcaaga ggagtc aaaag 240
 ctgcttcaag cagtggtgcct aaagtccctat tgactacgct agtttgacaa ttag 300

<210> 15194
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 15194
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 acctcacaag acacagatat aatccaggtt gcatgaatca tccaaatctg agatgggcaa 120
 gctctccaca acaacaacag tttagccctc ctttcacaga tgcctgctggt ccaagcaagc 180
 catatgttcc tcttgcaata cagcatcagc aacaacagag acaacaagca actgagaccc 240
 ctctccaacc ttccttagaa gagatagtga ggcagatgac catccacaat atgcaatctc 300
 agcaagagac aatagcctcc attcatagtc tgacaaaac 339

<210> 15195
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15195

ctaaagttcc gcttcttcac tcagctgctg tctgttaatt attaaattgt tctttctct 60
 tttttatcta ctccggtaca gatgtattcg tggagctaaa ttaaatctct aagattttaga 120
 ttgcattggtc ttaagttcta tctattctga ggtgatgatg atgaacaaac aagtttactg 180
 ctataacata cagtcaggca gtgagcatga ggtactacaa gagatattaa gcactgttgg 240
 atgcccataa aagcaaaagc ttttatcttt tttttctctt tcttggtnta taattattct 300
 gcaacacaat atgtacatat atgtgttcta gatgctctgg aaatgacctt ctttgcctctg 360

aaaggtoctc ttaaactatc gatttacact gatag

395

<210> 15196

<211> 358

<212> DNA

<213> Glycine max

taagtttcat tggagccggt cctgtgtatg gaagataagg tgtgtgtgtg aaagggatg
ttttagtcca tgggaaaact gcaattggaa ggattgatga tgattctgtt tgtgcaactc 120
tugattgggtg gctctctcag aaatgtgaat atggaaaatg cagttggggt catgcttctc 180
tcttcaacct ggtatttttc cttctttttt gctctctgtt tcttgaatcc gtcaaaaagt 240
ttttttttct tttcagaata attagatggg ttttgcctct tctttttatt nttaatttta 300
taaatagcat tctctgcctg atgacgctt tctttgctc tttagaatga tctctgga 358

<210> 15197

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15197

agcttcttta ttnatgattc cttaaagaagc tagagcttag ctacacatac ctctcttaata 60
gctaagctca cctccttatg atgagaagct agagcttagc tacacacccc ctataataac 120
taagctcacc cccatggcaa aatacctgan aatacaaaan aaaatcccta ctacaaagac 180
taactanaat aactcgaaat acaaggctaa aacccctatac tactagaatg gccaaaatac 240
aagggccaaa caaaggaata cctattctaa tatttacaaa gataaggggg ctcatactta 300
gcccattgggc tcaaaatcta cccctaaggt catgagaacc ctanggcctt ccttgggac 360
cttgacccaa tttacttggg gtcttctatc caatgcctt gc 402

<210> 15198

<211> 365

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15198

ntgaagcaact cacatagngt tgaattcttg gatgaagagt tgttggttat tgagagaaac 60
 aagacatgga gtctcacaaa gctaccaata gtaagaaaag ccatagcagt aaaatgggtc 120
 tacaaaaacta agttgaatcc tagaggataa gtaacagagt tcaaaagccag actgagtgca 180
 atggatgtaa gattggtat tcttaagcc tcaatataag aagaaagtt tggatgtaa 240
 ccact 365

<210> 15199
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15199

aattttcttc ccatacagacc ttggatgcaa ctgtgattgt ataccatat tagctagatc 60
 ttgaagggtta tccaagccat ccttcgtctt gcttgaatg ttaaggagtg tcccaatcac 120
 actgtcaciaa acatttttct ccacatgcac aacatcaata caatgtctaa cgtcaagatc 180
 tcaacagtao ggaagatcaa agaanaatga cctcttcttc catatgcaac tctgaacttt 240
 a 241

<210> 15200
 <211> 320
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15200

naagctcatt ttttgcttcc tcaaaaccac aagtgcctcc gctaattccc ccacaaaaaa 60
 caccatttgt tcccagagat atgggtctct agggatgaca acaggttgag gggctcttga 120
 tcatgcacaa gttacaagag acaagcccaa accagtgagg gtatcgaaga tggaaaccagc 180
 atagaacaaa gacattgcta cttaggcacc ctctgggtca ccatttaaaq ccatacgttaa 240
 gtttgctcat aaatccccaa gtgagttccc ccaagccagg aactgttagc tcaagattga 300
 aggatttatt ccacatatgt 320

<210> 15201
 <211> 184
 <212> DNA
 <213> Glycine max

<220> Molecule of interest

<230> 15201 15202 15203 15204 15205 15206 15207 15208 15209 15210 15211 15212 15213 15214 15215 15216 15217 15218 15219 15220 15221 15222 15223 15224 15225 15226 15227 15228 15229 15230 15231 15232 15233 15234 15235 15236 15237 15238 15239 15240 15241 15242 15243 15244 15245 15246 15247 15248 15249 15250 15251 15252 15253 15254 15255 15256 15257 15258 15259 15260 15261 15262 15263 15264 15265 15266 15267 15268 15269 15270 15271 15272 15273 15274 15275 15276 15277 15278 15279 15280 15281 15282 15283 15284 15285 15286 15287 15288 15289 15290 15291 15292 15293 15294 15295 15296 15297 15298 15299 15300 15301 15302 15303 15304 15305 15306 15307 15308 15309 15310 15311 15312 15313 15314 15315 15316 15317 15318 15319 15320 15321 15322 15323 15324 15325 15326 15327 15328 15329 15330 15331 15332 15333 15334 15335 15336 15337 15338 15339 15340 15341 15342 15343 15344 15345 15346 15347 15348 15349 15350 15351 15352 15353 15354 15355 15356 15357 15358 15359 15360 15361 15362 15363 15364 15365 15366 15367 15368 15369 15370 15371 15372 15373 15374 15375 15376 15377 15378 15379 15380 15381 15382 15383 15384 15385 15386 15387 15388 15389 15390 15391 15392 15393 15394 15395 15396 15397 15398 15399 15400

<210> 15202
 <211> 353
 <212> DNA
 <213> Glycine max

<220> unsure at all n locations
 <400> 15202

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 gctcttagca gtctccattt cccactcca tatctnttgg ttgtcaaagc agccggatgg 120
 ctcttagatt tgtcaaattc agtagcaagt tcttcaccaa ggcttcttcc aacatгааат 180
 gatctatgtg cctctgagaa ctctctggat gtgacaaatc tataaggctg atctttgtct 240
 gcccagaact gctctgctc ctccatgat gttacctata acataattaa tggtcаааат 300
 аааататата actctctttt accagtgcag acagataaaa ttattgagat caatcact 358

<210> 15203
 <211> 361
 <212> DNA
 <213> Glycine max

<220> unsure at all n locations
 <400> 15203

agcttгааат gatcaacgga agctctcgag aaaatcgagt ggtcатааат tntcacacag 60
 atgtccgatt cggggaaata atatctcgag acgcacgaaa ttgaacaacg gaagctctcg 120
 agaaatttga atggtcataa catctcactc ggaatgttga tccggggaca тааттатcg 180

agaagctoga aattgaacaa ccgaagctct cgacaaatta gaatggctgt aactttttcac 240
 gogaatggtc gattcgggga cataactcat ctagaagctc ganattgaac aacggaagct 300
 ctogagaaat tngaaatggt catacgtttc acacggatgt ccgattcggg aacataatat 360

<213> DNA
 Glycine max

<223> unsure at all n locations
 <400> 15204

ajpgatgcan nagttcttac tttttcaatt natjagcccg totogatatg atgacgaaga 60
 cmttaatca gacantccg agtaaaaagt tatttgctgt gtttaatttg gctcagaagg 120
 ttaaacatt caatgttoga gcgctcgtcg ctataaatta cgggacgtca tatctaacat 180
 ccgagtaaaa agttattggt gtttgaattg gctcatggtt tcaacattca atttcgagcg 240
 totogatata tgacgagact caatcagaca tccgcgtaaa aagttattgt cgtttgaatt 300
 gctcagagg ttaacattc aatttcgagc gtctcgttat gttacgggac tcaatcacac 360
 gtcgagtaa aaagctattg tegtttgaat ttgtcagag attcacattc aatctcagcg 420
 gtctgatat attatggga 439

<210> 15205
 <211> 320
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15205

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 gcaagttgaa agccttggat gaaagacgta tgcctatggt gttgtggatg atttctccag 120
 atatacctgg gtttaactta tcatagagaa atcagaaaac ttigaagtat tcaaaagatt 180
 gagtctaaga cttaacagag agaaagactg tgtgatcaag agaatcaaga gtgaccatgg 240
 cagagaatnt gaanacagca gtttcactga attctgcaca tctgaaggca tcaactcatg 300
 gttctctgca ggcattacac 320

<210> 15206
 <211> 347
 <212> DNA
 <213> Glycine max

ttcattggatc ttatagaaggc aaaggacatct ttgatgaat agaatcctag gttataggat 12
 tccacatagg agctacatca gattcatgtg aattgttaat atagattcaa atgtcctcca 180
 attggtgtgtg acacttaago tataaataga agcatgtgtg gtgcacatctt tcaaatgtga 240
 tcatatgaga attacaatto aaagttcaga cctcatttga tgcatacaat tgcattgcgtc 300
 ttaactacct cttcctcaac ttatcttccct ctaccttcaa gcttttta 347

<210> 15207
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15207
 agctttcata atatgattgc tanagaagct agagctgagc tacacatacc tctctaatag 60
 ctaagctcac ctccttatga tgagaagcta gagcttagct acacaccccc tataataact 120
 aagctcaccc ccattggcaa atacctgaaa atacaaaaaa aaatccctac tacaagact 180
 actcaaaata cctcgaaata caaggctaaa acctatact actagaatgg ccaaaataca 240
 aggcacaaac aaaggaatac ctattcta atttacaaag ataagoggggc tcatcttag 300
 cccatgggct caaaatctac cctaaggctc atgagaaccc tatggccttc ccttggatct 360
 ctgaaccaat ctacttgag tcttcta 387

<210> 15208
 <211> 235
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15208
 gaaaaactgc aattggaagg attgatgatg attctgttng tgcacacttg gattgagggc 60

ctctcagaa atgcgactat ggaaaatgca cttgggggtca tgcctctctg ctcaacctga 120
gatttgctct ttgttttctt cttctgggtc ctgaatccgt cgaacaggct ttttttcttt 180
tcacaataat tacaaggyta tggcttcttc ctctcatttc tcaatttata aatac 235

<213> Glycine max

<400> 15209

agcttgcatc agtctgtttt ttctggagag acagccacta taatttctga acaggattga 60
gaaagaacg actaacaagg tgttttagcat tgcacagctt ggattcgggtg aagatgtgtg 120
gattcatttg caaccactgt cgaaccgcaa cttttcttgg gaagatccat atgggaataa 180
gtttttacat gcttaactta ccgatgatga t 211

<210> 15210

<211> 334

<212> DNA

<213> Glycine max

<400> 15210

agcttatatc tcaacttcag ctgtccctcc gatctcagcg tcatcataaa ctcatgaagc 60
gatactttctg cccatttgcg attctggaac gcattggcag cgttgcttac cgttttgaac 120
taactgaagg gtctcgtatc caccocgtct tccattgttc cttactacgc cctcatcaca 180
gacctcttga cctcccaacc tcttcccttc cggcgggatac ttctcccca caccctatac 240
ttgagccact agccatcctt gactctcgaa tggacttctc tgtggacccc ccaactcgtt 300
tcgtctcttg acaatggggt ggtcttacta cgga 334

<210> 15211

<211> 398

<212> DNA

<213> Glycine max

<220> unsure at all n locations

<400> 15211

tcaagcttct ctatgaaca gatgtgatta atctaaaatt acatctctac tgagaagaac 60

tttcttttca gatggtgacc agatcttata gcttttcacc ccatcactat aacctatgaa 120
cagacctttt cttgatctag gtaccaactt tctttcattg acatgataat aagcattgca 180
gcaaaatact ctttaggtttg agtagttctc tgttttgcca tccagattt caataggggt 240
... ..

<210> 15212
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15212

agcttttata tattgaaaaa naaagctcca agagcttggc attaaaggct aagctcattc 60
ttagttcata atggattcac cagaggaata atggacacca cactatttag aaaggctaag 120
ataggaaatc tgttgattgc tcaaatttat gtagatgaca taatctttgg tgcaaccaca 180
aaaaggatgt gcaaggagtt tcttgagcta atgaaagggtg aatttgagat gagtatgatg 240
tgttgagctaa aattcttctt angtcttcaa aacattcaaa aagatgatgg gatattcacc 300
catcaagaga acacanaaaa cctattttaa aggttttagaa tggatgaagc tagacctatg 360
gtacccctta tgcaccttc cacaatcatt ga 392

<210> 15213
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15213

gtccatctat ggattgaaac aagcctcccg ccagtggtat ttataaatc atgaggtcat 60
ttcttcattc agctttgaag agaattgcat ggatcactgt atataccaga aggtcagtn 120
tagtaagact tgtttccttg tattatacgt agatgatatt ctacttgcca ctaatgataa 180
ggtrattgcta tatgaggtga aaaaatttct ctccacagaac ttccatataa aggatatggg 240
agagggcatct tatgtcatc gcataaagat ccatagagaa agatctctat acattttagg 300

cttgtctcaa gaaatctata tcaacaaagt tntagagaga tttaatatga nagattgtca 360
 ocaagtgtag ctctctttgt g 381

<210> 15214

<211> 403

<212> DNA

<213> Glycine max

<400> 15214

agcttcagtc gtactctat cngcangang tgnnnggat gatgtatct cacttcacta 60
 ctataatcat aacattgcgg attgttttta atagaagcta cgaacaacag ttcccatatc 120
 gtaatttat atctgatatg atatgtctat tcaagaaaat tgattgagag ctcaaaaaat 180
 agtaacatcg aataataata ggtaacttaa tattctttat tacaacatgt gatatgttta 240
 ttctaaaaata taataaaaaac actaatatt tttaattatt atattattta aatttgaaca 300
 ttcttttaaa ataatgtatg catatcggat gagtataaaa tataaattat caactagcat 360
 gtoggaagag tataaaatat aaataataat gatagtatgt atcatgagta gt 412

<210> 15215

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15215

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 atcttaggga tcaagtgaac aaagagaaac taaaagtgga gtactgctgc acatttgatc 120
 aacttgctaa tattttaacc aaacccctca taggggagaa gtttaaaatg ttaagggata 180
 gaattggctt gatgaactta ggagatcaga attaagggag ggtgtganag ctttaattctg 240
 tttttgagtg gtgtagattt aattgtacat tggatataag agagtaacag aattttaaaa 300
 ttctgttata agtgcttagc ctaagtgtga agggttgtac tctgtttgct tgataaaagg 360
 acatacatgc atctaataat gaggatatca ttcatcattt etc 403

<210> 15216

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15216

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gagatgctt gataatctac gggaattcaat cggacatccg agttaaaag' taatglogtt 120

gagatgctt gataatctac gggaattcaat cggacatccg agttaaaag' taatglogtt 180

ggagatctt gataatctac gggaattcaat cggacatccg agttaaaag' taatglogtt 240

agacttttct tacagcttcc gctttcaatt ttcgagcgtc tcgatatat acagggctca 300

ataagacatc cgagttaaaa gttatagtcg atagactttt cttagagctt ccgttttcaa 360

ttacgagcgt ctgatatat tacagggctc gatcagacat 400

<210> 15217

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15217

agctnctatc atttatcttc gganagcaat caagatgtga ggcattgtcag tgttggaac 60

cccaatagaa cggagaagact cgagtttatg caaaagggtg tactctgcac cctcaagaag 120

caccaaaggt cgtttcttcg caagttttgc aacctgcatt atgtcaaacc catagctgct 180

gagcatatca ataacagcgt ctgggccatc tgggtttgta aaaatgaccc tgtcggagac 240

gaccttggct ttcatggcg gcacccaca tgagttgatg aggtatgaca cagtataggt 300

gtcacctttg tggcggttc catctgattc agaatcagaa gagctggtg aagtgaatga 360

atagaagaaa acacttgaag cagtgtgttt gagttgcgac agagaacca atgtgat 417

<210> 15218

<211> 379

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15218

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taacctggct agttctctgt ctcaattcaa cttatcttgc gaaataactt ctgttcttta 120

tccaggatgc cgcbaatgct gctataagtg ctatgggttag tgtgataaga ctggactcag 130
 agaaagtcca acaatagtgt gatgcagcca atcaggaagt tectgaagct gagaaggttc 240
 aaattgccaa ttactgtgct ccagtaaggt tctgtgaat ctaccattta taagcttaag 300

<210> 15219
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15219

agcttgatg atttgcaaga tcatgtctct tgacaactcc ttgaaaatta ttgccatcaa 60
 tctaaagaga tgacaattta gagagtgate caagacttcc anattgattt ccactgaatt 120
 tattaataga gagatagaga tattntaaat ctatctccct tgagttggcg agatttccca 180
 gaaaagtccg aattatccg tcaagttgat tatatgacaa atcaagttca acgagagaag 240
 tcaaatttcc cagggcatca gaaatagtc catgcaagtt gttgtccct atgttgagga 300
 gcttgagacg atgaagaccg tataagcaat caggtataga agatgagaat gaatttccag 360
 acaautcaag atcttgaaga agtgtgatgt ttccaatacc accaggaatg gga 413

<210> 15220
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15220

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 taatccctca tcaactaaga aacctctcan acctgcagca ccttaattct ggatacaatt 120
 atgtctctca gatagataac ctttaattga tacaaggct atcttccctg gactaccttg 180
 atttgagtgg ttcagacctt cataaacaag gtaactggct tcaagtactg agtgaacttc 240
 catctctctc agaactacac tnggagagct gtcaaattga taacthagga ccacccaaaag 300
 gaaaaatcaa ctccacacat ctccaagtc ttgatcttcc aattaacaat ctcaatcagc 360

aaatcccttc atgggtatatt aatctcagca cagctcttgt ccaacttgat ttacacagta 420
acctttttaca gggagaaaaat ccacaaat 448

<210> 15221

<400> 15221

agttgttatt attattttga gcaactacaa atgatcttga tgagatttcg gtgtcgcaaa 60
ttcgcgatta ctccacatto tacaataaag ctctctgac ccaattcaag gtccaaaatta 120
aataatttga ctgcacacaa catcttattt ggaagtatac ctttgaacac agagccaaaa 180
ctacccctac caagcaaat acctctcatca catccattgg ttgcccgatga aagttccattg 240
catgaaattg tactagatgc taatacagta gatgaactga ctccagcagg atcaccacca 300
ccatgccttt tctctcgact accttttcaga aggaacacac ataaaacaac caatatgggt 360
gacaacatta caggcaatat gcattcgatg aaaacatatg tgca 404

<210> 15222

<211> 199

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15222

agatgtccaa atcttgatgc catattctga ctccatcttc tntggaagat agacatgtgg 60
aggagtaact gggctcttgag gtgccatagc agcagggtgc tttgactgct gccttattaa 120
acttactctt tcatttgtac caacatgctg acttggaagt gacattgaac cttctcacia 180
cactgactga gctgatcag 199

<210> 15223

<211> 440

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15223

atatatattg tgccttgatt accgtgccaa catgtttgtt tggtttaaac taatgtgcca 60

cacatctatg atgaggacca caaggtgaag cttgcgcgca cggagttttc cgaactatgct 300
 cttgtgtggt ggaacaagct acaaaatgag aga 333

312

<23> unsure at all n locations
 <413> 15226

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 cagaacaatn atgacctctc cagcaacaga taccaatccc gatggaggaa caacctaat 120
 ctcagatggt ctagnctca acaacaacaa caacagcctg ctcttctctt ccaaaatgct 180
 gctggcccaa gcagaccata cattcgttca caatccaac aacagcaaca gccccagaaa 240
 caacannaca gtaaaagctc ccgtaacct tccctogaag aacttttgan gcaaatgact 300
 atgcanaaca tgcagnttca aaaagagacc agagcctcca ttcagagctt naactaatag 360
 atggggggaca ttgctacaca gttaaata 389

<210> 15227
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15227

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 ccaactcacc tgacatcatt ttccaataat ggtcgattgg aatgtccatt tgtttttgta 120
 ccttggtga ttgcaaatgt atttcgaccg gaagtacagc atcatgccca taagtcagtc 180
 gaaatggggt agtattagtt gattccttan gagaatttct acatgcccat agaacttgat 240
 ctaacgtntt attccaattt cctggctttt gggcaatgtg ttctttaatc aagttaatta 300
 caatcttatt ggtgcttca acttgaccat ttgcttgccc gtaatatggt gttgaggtta 360
 ataatcgaaa gccaatatct tgggcaaat cttgcatttt cgtcccaata aaaactgaac 420
 cttgatcagt ggtaattggt 440

<210> 15128
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 15128

ttttcaatc gg agtccga ttcaggcga taatatatc agaatccga aaaggaaac 120
 oggaagctct cgagaatttc aaatggtcac aaattttcac toggaggctc gattcaggcg 240
 cataatatat cgagacgctc gaaattgaac aaatcaagct ctcgagaaat tcaaatggtc 300
 aataattttc aaaggaggt cagattcaag cgcataatat atcgagacac tggaaattga 360
 acaatgcgag ctcccgagag attcacatgg tcataacgtt tcaatc 406

<210> 15119
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15119

agcagcgtta natttatatt aaaagctcca agagcttggc attaaaggct aagctcattc 60
 ttaattcata atggatgcac cacaggaata atggacacca cactatttat aaaggcttac 120
 ataggaaatc tgttgattgc tcaagatcta tgtagatgac ataatgtctg gtgcgaccac 180
 agaactgatg tgcaccgaga tntctgcact aatcaaaggc gaatctgaga tgagtatgat 240
 gggtyagcta aaattcttgc taggtcttcc aaacattcaa aaagatgatg ggatatttct 300
 ccataaatag aacacataaa acctatataa naggtctaga atggatgaag ctgacacctat 360
 ggctacccct atgcaccact tcacaatcat tga 393

<210> 15230
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 15230

tcattgtctt attttcaatt acgagcgtct cgatatatta cgggactcaa tgggacaacc 60

gagtaaaaag ttattgtcgt ttgaatttgc ttactgctgc tgaattcaat taagagcgtc 120
 tcgatatact acgggacaca atcggacacc cgagtaagaa gctattgccg ttggaatatg 180
 ctacagagctg ctatttttaa ttacgagcgt ctcgatatat taagggaactc aatcggacat 240
 tctctctc tctctctc tctctctc tctctctc tctctctc tctctctc

<210> 15231
 <211> 430
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15231

gtgagaaana tcaaacgaca ataaatatct actcggatgt tcgattgagt cccgtaatat 60
 atggagacgc' tcgtaattga aaacaaaagc tctgagcaaa tccaaacgac aataaacttt 120
 gactcgggtg tccgattgtg tctcgtagta tatcgacacg ctcgtaattg aaaagggag 180
 ctctaagaaa aatcaaacya caataacttt taactcgggt gtcgattgtg gtctcgtagt 240
 atatcgagac gctcgaaatt gaaaattgaa gctctgagaa aaatcaaacy acaataactt 300
 tttactcgaa tctcgtattg agtcccataa tatatcgaga cgtcgtaat tgaaacagaa 360
 gctctgagca aattcaaacy acaataactn tntactcggg tctcgtattg agtctcttag 420
 tatatcgaga 430

<210> 15232
 <211> 418
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15232

agctntgttt agtttgaata taaaagctcc aagagcttgg tattaaaggc taagctcatt 60
 cttagtccat aatggattca ccagaggaat aatggacacc acactattta gaaaggctaa 120
 gataggaaat ctgttgattg ctcaaatctc tctagatgac ataactcttg gtgcaaccac 180
 acaaaaggatg tgcgaaggat ttcctgagct aatgaaaggc gaattttaga ttagta'gat 240

gggtgagcta aaatttcttc taggtcttca aaacattcaa aaagatgatg ggatattcat 300
 ccataagag aacacaaaan acctatttaa aaggtttaga atggatgaag ctagacctat 360
 ggtacccct atgcacctt ccacaatcat tgataaggat tagaaaggta ataaaactc 418

<223> unsure at all n locations
 <400> 15233

taaatccggg ataagggggg caaaccaaac acctggccaa cccctcattg caactgcacc 60
 atactacct tcatatgttg ataaaccac tatggattgc ttcttagaac tccacgatat 120
 tgggtgttga ccatacatga atatgtaacc tatagtactc tntatgtcan ttttgtctca 180
 tccccaatcc gcatcagtat atcccaactaa ttcttctaag ttaactgttg ctatatctgg 240
 aaatagatat ccagtattga tggctctttt tatgaacctt agaactctct tagcagctag 300
 gagatgagga attctgggtc tttctgtata tctacttacc agtccaatag caanatccaa 360
 atcaggtctt gaatgacaca agtacctgag agaaccaaca 400

<210> 15234
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15234

taaccttctt tataaacggg acattggtgc acaatacaca atgtccggta caccacaacc 60
 aaatggtgta ccacaaaggc acaatagaac tttaatggat atgattagga gtatgttaat 120
 caattagact gtatccgtat ctttgtggat gtatgccttg aaaactgtca tgtatttgtt 180
 gaatagggtt cctagtaagg cagttccaaa gacatctttt gaactgtgga caaataggac 240
 acctagtata aggcacttgc atgtttgggg ttgtcaggca caaataaaga tttataatcc 300
 gcaagaaaga aaattggatg caagaacaat cagtggatat ttcattgggt atcaagaaaa 360
 gtcaaaggag tatatngttt attgtcctaa ccatagtatg agaategtca aaact 415

<210> 15235

<211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15235

15235 15236 15237 15238 15239 15240 15241 15242 15243 15244 15245 15246 15247 15248 15249 15250

15251 15252 15253 15254 15255 15256 15257 15258 15259 15260 15261 15262 15263 15264 15265 15266

atttgaattt gattgaagf tatgaattct tttgaattg aatttcttaa atgttgattc 181
 aaatagaaca atttgaatat gaatatngac caataatata taaaggagtt taagggaaga 240
 gacaatgcac aatcagaatt atactgggtc ggcacacccc ttgtgacctac gtacagtccg 300
 ctaggaaacta ttttgtaaat tctttctaca agttctaaac acacaaagac aacctctctc 360
 ttgtttttaga atttttcaca g 381

<210> 15236
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 15236

agcttgcttt ctcattggaag ctctaatat cttccacact ttttgggggtg ggcattctt 60
 ggatggcctt gatcttctca gggaccactt ggacccatt tctaccaact actaaacct 120
 agaaaactat attatctaca caaaaggtag acttctctat atttgcatag aggggtgttt 180
 tctaatgac tgaaagaact tgtctgagat gtcttaagtg atcatctagc ctctactat 240
 aacataaaat atcatcaaaa taacaacta caaatctacc taagaaatcc cttaagacat 300
 gatgcataag cctcataaag gtgcttgatg catttagtgag cccaataggc atctctagcc 360
 attcatacaa accagacttg gtcttgaaag cacttatata ctca 404

<210> 15237
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15237

aaatratgat tctcattctt tngaatctct ggattggatg cttaagtcca ttggcttccc 60

cgagaggttag ataatatggac tgagatgaaa aggggtgatga gaaaaaggta tgtgcccact 360
 agctataaca gaaccatgcg acagaaactc c 391

<210> 15240

<400> 15240

tgggacatto gtgtgaaagt tatgatcatt cgaatnnttc aagagcttcc gttgntcaat 40
 ttctagcgtg tggacatatt atgcgcacaga atagaacatc cgtgtganaa gtttaagacca 120
 ttgaatttc tcaagaactt ccgttggttc atttcgagct tcttgacata ttatgtgccc 180
 gaatcggata tccgtgtgaa aagttatgac catttgaatt tcccgagagt ttccgatgtt 240
 taatttcgag cgtatcgata tattataagc ctaaatcgga catcgtgtg aaaagttatg 300
 accatttgaa tcttcgaga actttccgtg ttcaatatca agcttctoga catattatgt 360
 gcttgaatcg gaca 374

<210> 15241

<211> 402

<212> DNA

<213> Glycine max

<400> 15241

agcttgatca gctctatagg aacggcttcc caggttccgg tgggtggtgcc ggtgggttta 60
 ggattcgaat tccactggg ttgagcgcgc cgcagcagca gcactctgga tctgcttcca 120
 aggtgtttgg gaaggttggg aatcagagat tcagcccca tttgaatcaa aaccctaacc 180
 ctaactcttg gaagaagagg gagagagacc ccgtgggtga agtgggtggt gcgattaagg 240
 tattgggaga tgggtttgtg agaattggaac agatgaagat ggagatggcc agggagatcg 300
 agaccatgcg gatggagatg gaaatgaagc gcactgagat gattctagaa tcgcaacagc 360
 ggattgtcga ggcaattgcc aaggccgttt cggataagaa ca 402

<210> 15242

<211> 325

<212> DNA

<213> Glycine max

<400> 15242
 agcaacottot tcaacagatc tatgtccctc tccacaacac cattctgttg aggtgttttt 60
 agccttgaaa atttatggty aattccatgt tcttcacaaa agtggtccata ggaactcatt 120
 atagctotta aaggacctat aatca 325

<210> 15243
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 15243
 agcttgotta ttcattggaag ctctaatat tctccatact ttttggggtg ggccattott 60
 ggtatggcctt gatctttctca ggttccactt aaaaccatt tctaccaact acaaacctta 120
 agaaaaatat attatctaca caaaaggtao acttctctat atttgcatag aggggtgtttt 180
 tcttaaggac tgaagaactt gcttgagatg ccttaagtga tcatctagge tctactgta 240
 cactaaaata tcataaaaat aaacaactac aaatctacct atgaaatccc ttaagacatg 300
 atgcataage ctcataaagg tgcttygtgc attagtgage ccaaaaggca tcaactagcca 360
 ttcatacaaa ccaaacttgg tcttgaaage ggttttccac tcat 404

<210> 15244
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15244
 caagcctnec atttatgtca ggtagcacca gacatctcta taaagactcc ttatgaaatg 60
 cacatcacct attttctat tctcagcatt gacttaggaa tatagtcata acctgtacaa 120
 gaacaggtat gagtgggagt agaatttgaa ccgcactcag aacatacata ttttctctag 180
 ggcctgtgta actcgatcat agagttcgtt atcactctaa tcactcggta gatgatagtg 240

atgcacaggt gaaaatctct gatgtcttca ttgatgtctt tctattgcaa gaagaaatgg 300
atgcaatggc aacttttagt tegtctcagt aaaaccagtg gattcaattc agcttttctt 360
gattattaat aatgtcttat tggcgtaatc tactcttgat aagataacag tttcatattt 420
tctcttctt

<210> DNA
<211> Glycine max

<223> unsure at all n locations
<400> 15245

agcttattaa ttgaaagttg ttctattgga agatcagata aacaaacttg caagtatcat 60
tcttagaacc tacattctat tccattgtga ctttacatct aactcgaatt tagttgtgtc 120
ctangtgatc aacctagagc atatttctat tcttactctt gcattgcttag ctttaaaaac 180
tagtgccaat ttggaatatt ttgagcaaa aacattagtt cttagtttat gcttatttta 240
tgtatacaat tccttctgtg tgtggcagtt gagaggggtg aacgagaagg atgatgttgt 300
agctaaatgg aagaaagtgc anaatgatat gtgcctacat gctcattgct ttgttagtga 360
tcccaattcc ttcttggtt tggctagtga attgagatat cacatat 407

<210> 15246
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15246

augactcaag ggagttagtg tggagattac tctnggatgg ngatgatgtt attctgngac 60
tgcattgaga aggacctgtt tgagaagtat ttcacacggc ttctggcaaa gcaacttttg 120
tccccaataa cagtctctga taatgcagaa agaagttctc tagttaagct caagacccaa 180
tgcagttatc aattcacctc taaattagag ggcattgtta cagacatgaa aacctctcta 240
gaaacattgc tgaactttta tatgccaaac accccagagt aagcaacggg cctacgcttg 300
ccgtgcaggt ttgacaaca gggttttggc ctactcaatc tactgttana tctaacctgc 360
cagaagatat ctcttcaatt tctgagaaaag ttacgtcata tattaacttg gcacacatad 420

tggcaggaga tngtcttgca nactaatat

449

<210> 15247

<211> 343

<212> DNA

<213> Glycine max

atcttcaggtt ggttttgatg ataattccat gcataaatgc atataccana tagttaajjg 120
gagtaaaata tatattcttg tttacatgt atatgatatt ctactagcag ctaatgatcg 180
gggttgtota catgaggtga aacaatttct ctctaagaat tttagaatga aggatatggg 240
tgatggatct tatgtcatcg acattaacat tcatacagat agatctctag gtattttggg 300
tcgttcacag gaaacctata ttaacaaaat tttagacaga ttt 343

<210> 15248

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15248

agcttgcata gttagaaata tcttggttga ttccgatggt gtgaagtcbaa ggaaagattt 60
ttctattgcc atgatgaggt catctatagt tttaggagcc tctttgtgtt gtaatgactg 120
aatgycatta aagaagccaa gatctaagac attaaaatca agcaagtttg ggggttgaga 180
aaccaatoga atgtcaaaac cgccttcaat agcagcttaa tggaagtctg tgtcatcttc 240
atcaatgtga catggagcat tgccttggtg tatgaaaata gtttctctct tatccctat 300
tggecatitt gctttgattg cagacaacac atgatgaata agaaaatggt tgcctacttg 360
ctatattatt gaagaatatt ggntcgttc catagtccct 400

<210> 15249

<211> 313

<212> DNA

<213> Glycine max

<400> 15249

ctgggggtcaa ttacgagtggt cggcatatcc taaggacac aataggacat ccgaatcaaa 60

agttattacg tgggaactgtt cctagagctc cegatttcaa tctctagcgt ctogatatat 120
 taaggggctc aatcggacat cegagttaaa agttattgtt gctcgaacttt tcttagagct 180
 ttcgtgttca atattgagcg tctgatata ttacagggct cgaatggaca tccgaactaa 240

<210> 15150
 <211> 495
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15150

tacatagata ctaagctgct gencatggag ctctntatc tccacaactn nttggttgga 60
 ctattcttgg atggccttga ttntctcaag gtccacttgg acccatttc taccaaactac 120
 aaaaacctag ataactatat tatctacaca aaaggtagac ttctctatat ttgcatagag 180
 ggtggttttc ctaaggactg aaagaacttg tttagatgt cctaagtgat catctagget 240
 cctactatac actaaaatat catcaaaaata acaactaca aatctacct tgaaatccct 300
 taagacatga tgcataagcc tcataaaggt gcttggtgca ttagtgagcc caaaaggcat 360
 cactagccat tcatacaaac canacttggc cttgaaagca gttntccact caatcaccc 420
 ttctatnctg atttggtgat accactttaa gaacaatttt gaaagaattg caccatcaac 480
 tcataagcaa tcatac 495

<210> 15151
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15151

catgcgaagt gngtggaatt cctagagcaa ttcttttatg ttatcaaaaca tanaaaggga 60
 aaaggtaata ttgtagccga tgccttttct cggcgtcatg cattacttct tatgcttgaa 120
 acaaaaattga ttggtcttga atgttgaaa agcatgtatg aaaatgatga aacttttgg 180
 gaaattttta aaaatgtga aaaattttca gaaaatgggt tcttttagaca tgaaggcttt 240

cttttcaaag aaaacaaatt gtgtgtgcoo aaatgttcta ctagaaattt gottgtttgt 300
 gaagcacatg aaggaggttt aatggngcat tttnnggtcc aaaagactct anaaacatta 360
 caagaacatt tttattggcc tcatatnann aangatgtgc agaaattntg tgaacatgc 420

<211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15252

agcttggtat tcnntatgat agaccagtga gctcacgtt caaagggaag ctagtatttg 60
 aggtgaacag gtatggcttc actgatggtg gagcttgggt tgatgggaac ctaaaactaat 120
 gcaatectac ccgcgaaggg cattggatag aaaactccaa gtagattaag ccagagatgc 180
 aagagaagge cctaggatcc ttatgagcct tacggtagat ttggggccca tgggctaagt 240
 atgagcccaac ttatctttgt aaatattaga ttaaggtttc attatttttg ggccttgtat 300
 atagagctcc ataatgtagg tagggtaacc tagaaatata tgaattttca gcccttgtat 360
 tttagggcac ctagactagt ttttgtatta cgggtagttt tgtaat 406

<210> 15253
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15253

agctntgtgt atattaaaag acaataactt tttactegga tgtctgattg agtcccgaaa 60
 tatatcgaga cgttcgaaat tgaatacga agcgttaagc aaattcaaac gacaaaaact 120
 ttttactcgg atgtctgatt gagtcccgta atatatcgaa aagctcgaaat gtgaatgtag 180
 aagctctgag caaattcaaa caaataaac ttttactcgg gatgtctgat tgagtcocgt 240
 aatatatcga gatgttcgaa atggaataac gaagctcgga gcaaatcaaa acaataataa 300
 cttntactc ggatgtccga ttgagtcocg taatatatcg gaagcttga aatggaatgt 360
 agaagctctg agcanatca aacgacaant aacttttact ag 402

<210> 15254
 <211> 357
 <212> DNA
 <213> Glycine max

ttatattgctg ttggaatttg cttagagcct ctacattcaa tttaaaagct tttagataat 120
 taagggaact taatcggacat cagagtaaaa agttattatt gtttgaattt gcttcgagct 180
 tgggtattcc atttcgagca tctcgatata ttacgggact caatcagaca tccgagtaaa 240
 agttattgt tgttgaatt tgcacagagc ttctacattc acattcgagc ttctcgatat 300
 attaacgggac tcaatcagac atccgagtaa aaagttattg tggtttgaat ttgctta 357

<210> 15255
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 15255
 agctttcttg tttagattcct aaagaagcta gaacttagct acacacacct ctctaatagc 60
 taagctcacc tctttgagat gagaagcttg aacttagcta cacacccctt ataatagcta 120
 agctcaccct catgaaaaaa tacatgaaaa taaaaaaga aagtcctctac taaaaagact 180
 actcaaaatg cctcgaaata caaggctaaa accctatact actggaatga ccaaaataca 240
 aggcctaaac gaaggaaaaa acctattcta atatttacaa agataaacag gctcacttt 300
 aacccatgag ctcaaaatct acctaaaggc tcatgagaac cctatggcct tcccttggat 360
 ctctggccca atctacttgg agtcttctat ccaatgcctt tgcggg 406

<210> 15256
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 15256
 agctttttct aatacataat atcgtaacta caaaagtcaa aataatataag tctctacata 60
 ttacagttgt ctatataaca ttctcact tttaaaatat tctataattt ttgttgtca 120

atattataaa aaattaaaaag cataaaaatag taaaattaat ttcaatttat ttttttttat 180
 ttottataat tttttcatto atttataaaa aaatatatga aaataatacc ttttttttga 240
 aggaggcaar ttattttttat tacacatata caaataatat ataataaaaat cataggaaca 300

<210> 15257
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15257

agctnnatgc atgaccacca atgggtctata tatatgtgac ttaaacacga aattaactcag 60
 agatttttcag aa-aacaaaag tgtttatctt ctcaaaagagc aaattcattt tatctcttta 120
 auaattcctt ggccaattca attgcaattc attaaggaat tatttgagtg ctcaactctgt 180
 aaaatccatc tttttctaga gagatttggt cttctctctc ttctcatttt ctaagggatt 240
 aagagactgt gagtctcttg ttgtaaagga tctctaaaac caaaggaagg attgtccttg 300
 tgtgttttaga acttgtaaaa ggaatttaca agatagtgya actctcaagc ggggttgcttg 360
 atgactgaac gtaagca 377

<210> 15258
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15258

agctngcnat tcatgghaac tctaatatc tcccacaetc tttggagtgg gccattcttg 60
 gatggccttg atngtctgag ggtccacttg gaccccatit ctaccaacta caaaacctaa 120
 gaaaactata ttatctacac aaaaggtaca ctctctctata tttgcataga gggcggtttt 180
 cctaaggact gaaagaactt gcttgagatg tcttaagtga tcatctacgc tctactata 240
 cactaaaaata tcatctaaat aaacaactac aaatctactt atgaaatccc ttaagacatg 300
 atgcataagc ctcataaagc tcttggcgcc attagtgagc ccaanagga tcaatagcca 360

ttcatacata ccacacttgg tcttgaaage acttttgcac tc

402

<210> 15259

<211> 401

<212> DNA

<213>

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cattccatca gttggcttcc cttctgtgtc cagcatcttg ggtatgttcc agcctttgat 120

gacagcttcc caggttctgc tatccagtga ttgagaaaag gccaccatcc ttgctttcca 180

gtaaccatag ttgatgacag cactcttgtc aatgatttcc ttcatgctcc ttaagtgcag 240

atgtccaaat ctttgatgac atattctgac ttcattctct ttggaggata gacatgttga 300

gtagtaactg gttctctgag ggtcccatag gtaacagtgg tcttttgatc tctgtccctt 360

cattagaact tcactctctt catttgcac caagcattct g 401

<210> 15260

<211> 490

<212> DNA

<213> Glycine max

<23> unsure at all n locations

<400> 15260

gatagattga acgaatctag taactaatgc cagctttaat cgtatgtatg gatagactaa 60

agcagagagt gatcaatata aagaggctca caggctcgtg tcatgttgtc aagtatcaaa 120

tgatgtgaaa gaaatgctat tcaatggaca acaatatata taggagatat gataaacata 180

tgaaagggaa aaggaaaagg aaaagtaaga aagcaataga catgttaagt tatgtaatga 240

ggtaagtagg aaaaggaata atgaaatgga attaacacaa acattataga aaaatgacta 300

tattatttca aaagtaaca attattttaa aaatagaata taagtgatac tctattctga 360

atatatacaa aagaattaca cagtcagata acagaaatga gtatataata atgttctctt 420

cgttcttcta cactatatct atgtcttcca atggattatt cacaatttga catatataat 480

actcatctta 490

<210> 15261

<211> 339
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15261

atctgtgtg aaatgttatg agcatcttaa tttctcaaga gcttctgttg ttcaatttcg 180
 agcctctoga catattatgc gcccgaaatg gacatccgtg tgaaaagtta tggccatttg 240
 aatctctoga gaatttccga tgtttaattt cgagcgtatc gatataattat aagcctgaat 300
 tggacatccg tgtgaaaagc tatgaccatt tgaatttct 339

<210> 15262
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15262

tggattgag gtttaagaac cattattcac ttctgatcta acgaanacac tgtttatcgg 60
 tgtatgtatc tgaaggtcag tgcgagtaag attattttct aattctgtat attgatgata 120
 tcttgcttgc agctaattgat cttggtcttc ttcatgagac taagacattg ctctctataa 180
 actgtgaagc gaatgatatg ggtgaggtaa cctatgtgat acggatagaa atattccata 240
 qtagatcaca tggattcgta cgcttatctc agaaagtata tatatcgatc aagtgcctaga 300
 gagatttaag atgaataggt gtttaacatc gcctattcta atttagaaat gagacagagt 360
 tagtcttgca caattgccta gaaatgatat ggaatg 396

<210> 15263
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15263

agctgngtgn tntgcaatc taagacacta gagagcgggc aagtatatga catgtccac 60
 ttgtactttt tctatctaat ttgcacccgt caaaaacaga atatgaaaaa cctgttatgt 120

ggaaggttg gaaacactcg cgatgccaca aacatccttg aata

404

<210> 15266
<211> 343
<212> DNA
<213> Glycine max

atattagga gttacatgag catacttgaa ggcacgtctg caaacattta taatagagcc 100
attcagcaac acaaccaaca acaagagaat aactatgac ttccaagcaa tagattcact 180
tcaagctgga gaqatcctcc aaatctgaga tgggcaagtg ctgcacaaca acaacaacct 240
agaggtatatt tgcaaaatgc tgcgtggcca agcaagccat atgttccctcc tccaatadat 300
tagcagcaat agcagcagtt acaacaaaaga ctacaagcac ct 342

<210> 15267
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15267

agcttggttat tcaatatect gatgatggtg ttccatattg tctcaagact ggactaatac 60
atttggtgcc caagtttcat ggtctcgag gtgaagatcc tcataagcat ctttaaggatt 120
tccatatttt ttccaccat gaagccccat gatgtccaag aagatcatat ctttctaaag 180
gcttttcttc attctctgga gggagtggca aaagattggc tatactacct tgcctccagg 240
tccattttca gctaggatga ctttaagagg gtgtttcttg agaaattctt ccttgcctct 300
augaccactg ccatcagana agacatttca ggcatcagga aacttagtgg agagagcttg 360
tatgagtact gggaaagatt caagaaattg tgtgcaagct g 401

<210> 15268
<211> 238
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15268

agcttgaatc gtacatccgt gcgaaaagnt atgaccatgc gaattttctca agagcttccg 60
 ctgctcaatt tggagcctct cgacatatta tgcaccgaa tgggacatcc gtgtgaaaag 120
 tcatgatcat ttgaatttct cgagagtttc cgatgtttaa tctcgagcgt atcaatatct 140
 tctcctctca gctctctc tctgctctca tctctctc tctctctc tctctctc 160

<212> DNA
 <213> Glycine max

<400> 15269

ctctatagac acataagcct cgttattcaa tctcgagcgt ctgatatat taccgggactc 60
 aatcctacat ccgagtaaca agctattgtc gtgtgaatta tctctgatgt tcccaattcc 120
 atttcaagcg tctcaataga ttaccgggact caatcagaac tccgagcaaa aagttattgt 180
 cgttgaatt agcttagagc ttcaaaattc aatttcgac gtctcgatat attacgggac 240
 tcaatcagac atccgagtaa aaagttattg gcgtttgaat ttgtctcacg ctccaacatt 300
 caatttcgag cgtctcgatg tattacggga ctcaatc 337

<210> 15270
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 15270

agctttgttc taattcaaat gacaataacc ttttgctcgg atgtctgatt gagtcccgta 60
 atatattgag acgtctgaaa ttgaattctg aaccttagag ctaattcaaa cgacaataac 120
 tttttactcg gatgtctgat tgagtcctcg aatctattga gagctctgaa attgaactct 180
 gaaccttaga gctaattcaa acgacaataa cttattactc ggatgtctga ttgagtcctg 240
 taatcacatg aagcgtctca aattgaatgt tgaaacctct agctaattcc aacgacaatg 300
 actttttact cgtatggcgc attgagttcc ggaatacacc gagacgtctg 350

<210> 15271
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 15271

agcttggttac ccattggaagc tottaatatc tccacacactt tttgggggtgg gccattcttg 60

gatggccttg attttctcag ggtccacttg gaccccatct ctaccaacta caaaacctaa 120

caaaactata ctattatctt ggggtttaa cttctctata cttaatatc ggggtttaa

atgcataagc ctataaaagg tgccttggtg attagtgcgc ccaaaaggca tcaactagcca 360

ttatataaaa ccaaaacttg tcttgaaagc 390

<410> 15272

<411> 278

<412> DNA

<413> Glycine max

<400> 15272

agctttttac attcacgtgc cttatggagc tcagagcctg aaactccgag tcaaaactct 60

ttgaactccc accaccaccg tgccttgctc caagcatggg ggtgctactc caagagttct 120

ttctccttgc agggacatcg gtgttcocaa tatgcttcac cggagagttct tcccatctg 180

aaagagtgac cctgtacacg tccccgagc ctctatccc tatgagatcc tctgcttga 240

tggaaatctac aatctctccc tccgagaaac tcatcagc 278

<410> 15273

<411> 408

<412> DNA

<413> Glycine max

<414> unsure at all n locations

<400> 15273

cccttcagtc gcagaaccaa caactttaga ataattatga cctttcaagc aacagataca 60

atccgggtgg gaggaatcat ccaaatctaa gatgggcaag tcttcacaaa caacaacagc 120

ctgtccctcc ctaccagaat gctgctggtc caagcaagcc atatgttccct cctctaatgc 180

aggaacaaca acaacaacaa caaagacaa aagcaactga ggccctctct ctacttctct 240

tagaggagtt agtaaggcaa atgacaatcc anaatatgca atttcagcaa gacacaadaq 300

cctccattca gactctgaca aatcagatgg tggggatggc tactcgagtg aaccaagctc 360

aatcccaaaa ttctgacaaa tagccttcat aaactgtgca caatctga

408

<210> 15274

<211> 470

<212> DNA

<213> Glycine max

<400> 15274

ttgttctata ttttaaggga ttcattcaga ttctcgagta aatatttat gtcgtttgga 60

tgggttcaga gaggcaatat tcaatttcga gegtctccat atattacggg actcattcag 120

acatccgagt aaaaagttat tgtagtttga attagcttag agcttcaaca atcaatttcg 180

agtgtctcgt tatatcaaga gactcaatca gacatccgag taaaaagta ttgtcgtttg 240

aattggtcca gaggttccac attcaatttt gagcgtctca atatattacg ggcctcaatc 300

agatatcga gtaaaaagtt attgtcgttt gaattggctc agagcttcaa cattcaattt 360

cgagcgtctc gatatgtgac gagactcaat cagacatccg agtaaaaagt tattgtcgtt 420

tgaattggtt cagagcttca acattcaatt tcgagcgtct cgatatatta 470

<210> 15275

<211> 181

<212> DNA

<213> Glycine max

<400> 15275

gagaaccagc gcatgagaga taacttcctt cagcttggtg aaagccttct gaggccttcgg 60

cgaccaacga aattctgtctt tggccaagag ttgagttcaa ggtgccacta tggaaacgta 120

tcccttaata aacctccgat agaagcctga caagccgaga aagcctctta aagctctggt 180

a 181

<210> 15276

<211> 400

<212> DNA

<213> Glycine max

<400> 15276

agctttttga aaattcttat ggtcataact ttccacacag atgtatadatt aaagcgcctc 60

gcatatagag aaactcgaaa atgaacaacc gaagctctcg agaaattgaa atggtcctaa 120

cttttcacac tgagggtccga ttcaagctta taatatattg atatgctoga aattaaacat 180
 cggaagctct cgagatattc aaatggctat aacttttcac atgaatgtcc gattcgggycg 240
 cataatatgt cgagaagctc gaaatrgaac aacgggaagct cttgagaaat tcaaatggtc 300

<210> 15277
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15277

caatttcagag cctctcgaca tattatgcac ccgaatccga catccgtgtg aaaagtcctg 60
 acatntgaa tttctcgaga ggttcgatg ttttaatttc agcgtatcaa tattttataa 120
 ccgtgaatcg gacctcagtg tgaaaagtta tgaccatttg aatttgaaga gagcttcctg 180
 tgttcaatat cgaatatcac tatatgtgat gcgcctaaat tggacattcg agttgaatgt 240
 tatgaccatt tggatttctc aagagattct gttgttcaaa ttcgagcgtc tcgagatctt 300
 atgtgatcga atcggacatt cgtgtgaaaa gctatgacca ttggaatttc tcaagagctt 360
 gctgtgggtca atttcgagcc tctcgacata ttatgc 396

<210> 15278
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15278

accttatcta ttaatttcga ccgtcttgat atgttaaggg actcaatcag acatccgata 60
 aaaaagctat tgtcgtttga gttggctcag agcttcaaca ttaaatctcg accgtctcga 120
 tatgttaagg gactcaatca gacatccgag taaaaagtta tggctccttg tattggctca 180
 gagcttcaac attcaatttc gagcgtctcg atatgtgaag ggaactcaatc agacatccga 240
 gaaaaaagct attgtcgttc gagttggctc agagcttcaa catccaattc cgagcgtctc 300
 catatuttac gggactcaat cagacatccg aghaaanagt tatgtctctt tgtataggtt 360

cagagcttca acattcaata tcgagcgtct cgatatgtta cgggaactcaa tc 412

<210> 15279

<211> 427

<212> DNA

<213> Glycine max

tctgttntca atntcgagcg tcttgataa ttacgggatt caatcgatca tccatctac 60
aagttattgc gaattgcatt ntctaccacc ttttgttttc cattaccagc atctcgatat 120
antacgggac tccatcggac atctcgagtg acaggtatta ttggtttgcg tttttacaag 180
cttccatttt caatttcgag cactcgata tattacggga ctcaatcgaa gatccgagtc 240
aaaacttatt gtctgttngaa tttgttcaca gcttctgtat tcaatttcaa gcgtctcgaa 300
atagtaagag aactcctcgg atctcagagt taaaagttat tgtcatttga atntgctcag 360
agcatcttgt cacacctaa tttcgtccgg ggatctttgc ttgatgacat gcgaccttcc 420
tttggcc 427

<210> 15280

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15280

agcttgtata catgatttng aattttatga tctaatagc tccgtgtttg ggaaacataa 60
aattctcttt caatgtatcc atttacgaaa acactnttga catccatttg gtatagtttg 120
aaatccataa cacaagcata agcaaataga aatcttataa cctctaatct agctaccggt 180
gcataggttt aacnaaagtc tatatgctct tgttgagtat agcctttggc tactagcctt 240
gctttattcc taatgatcaa accatgttca tccgatttat ttttaaacac ccatntagty 300
ctaattggtgt gcatatcttt agaataagat adccaattcc atacatcatt ccttttaaat 360
tggttcaact cctcatacat ggacattatc caaaactcat ctttaagtgc cttctctata 420
gacatgggtt ctaattgaga cac 443

<210> 15281
 <211> 416
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

tcttaacaa aattcaatag ctctttggc aatatacctt tcaataatag atucttcaag 181
 atagtttaga ttctttgcat acccttttat gatcttcctg tctcaactca ccaggtatat 240
 ctactacaaa taatggggac cacaacattt aatttccttc accagatgaa caattaagtg 300
 ctgaacctg atgtcaana acanaggagg ataatacctc tccaactgac aaaataaaat 360
 agcaacctcg ttctcaactc atctaacttg agaggatcaa tgaacttaact acatat 416

<210> 15282
 <211> 464
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15282

agagaatata atctctctng aaaagcaaat cactgatct gcattcttta ttgcactcaa 60
 atattcaacca ctnggtgaaa catcagccac agaattcaac aaattctctc tgggtatcct 120
 cacattatca aacctgaaga cacatgtgaa taatttctgc gtttactctt ttatataaaa 180
 tntcatttct aggtgcaact tgtttgaaaa atgtatatat taccagatac ggcattatc 240
 aactccattt aaaccaattn tgtgaccaca accagctatt cggatgtttg gacatatgtt 300
 tccatctgaa tccctgattt gngcaataaa tgcctgcacc ccttgattgc tccatttata 360
 tagagctgtg aaaagactat agtgtgggtt gcctgttgaa taaaagaaca agttaatata 420
 agggtaatat atacaaagtt ggagccagtg aaaaatgtat catg 464

<210> 15283
 <211> 455
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

tttttccctg catctatgac cattgccatc agaaaagaca tttcaagpat caagcaactt 360
 agtggagaaa gcttgatgaa tacttg 386

<200> unsure at all n locations
 <400> 15288

agcttatatc acataattga caaactctta ataaactatg cttaagacca tcaacaagta 60
 aaacattttc tatggaggta gagggattca aacctatttt tccaactcca agaattntac 120
 ctttgtgtt gtctccatag gtcacatgtt tactattttt ggaagaaata tgaataaact 180
 ntgatgcac tcccatcatg tgttcagagc aaccgctatc aatgtaacca ttatgcttca 240
 aggagtcttc cattcatata atcatatntt gatttttggtt cccanattt cttgngttct 300
 taaatgttag ttatgactaa cgatcctttt ggaaccata ccatttttct aatgctacta 360
 ccattctttc taatataaca tattgatgca ctataacctt tcttaccaca atanaagcat 420
 g 421

<210> 15289
 <211> 287
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15289

agcttgaagg anaactatat gcattgttta acttgtttac ccagctagcc ttgaatcata 60
 aatctgtacc tgtcgcaaga gtctgtggtt tgtgtctctc tgetgaccac catacatacc 120
 ttingcctgt catgcagcat cctggagcaa ttgagcagcc ctaatctcat gctgcataca 180
 ttactatag acctcttcaa cctcagcagg caaatcaacc acagcagaac atttatgacc 240
 tcccatgcac atatacaacc ctggatggat gaatcacctt tacttca 287

<210> 15290
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 15290

agcttgaagg taagttatga tgagtgtagg agagggggaa gggggaacaa aattttgata 60

gagaagaat gaagaatgaa gtatgaactt tgaagactaa tttctcatca aagtttcaaa 120

gattatgat caattatgaat aacacactcc ttggaaacaa ggtaatgttc ctaagtttgg 300

agggtctaa ctaaggcata caactcccta tcatatgttg agtgggttag agtggcatca 360

tgaaattctt caataaagta tgcaagaggg tgcacacott gcaacaacat aggtctccac 420

actacac 428

<410> 15291

<411> 431

<412> DNA

<413> Glycine max

<423> unsure at all n locations

<400> 15291

tccacccena tatctcaagt tttaggtaag aattcaagac cctttggaag gtacactgaa 60

tttaattctct cagagtcctcc attgtgagat ntgaaagtga gtaatctcag gtttggcatc 120

ttctgaata ctttggagct taaatttata tgtgtaattt gagtcataac taaccatatt 180

ccttcaactg cagcagttcc ctgacaaata ataattagaa ttaatgttta catcttttgt 240

aataatttgg caattttata ccaagagttt aggaatgcaa gtcaaagtat cattaacata 300

ctctattatt tgcacaatac tcatagatnt ccacaggatc ccacaatcta ctgcgttgcc 360

ctgganant aacagattct tcacgaacaa cttctctacc catttcttgt atcagatcgt 420

gcatacttat g 431

<410> 15292

<411> 407

<412> DNA

<413> Glycine max

<423> unsure at all n locations

<400> 15292

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atatatcgac aggtcgaaa ttgaatgttg aagctctgag ccaattcata caacaataac 120
 tntttactcg gatgtccgat tgagtgaatt aatatatcgg gacgtcgaa attgaatgtt 180
 gaaactctga gaaattcac aggacaataa ctttntagtc ggaatgtcga ttgagttccg 240
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt
 ttgaagctct gagcaattc aaacgaaat aactntttac tgggatg 300

<210> 15293
 <211> 371
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15293

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 aaagtatttg tegtatgaat tggcttaaag cttaaacatt caactgtgag cgtctcgata 120
 tattacggga ctaatcata catccgagtg acaagttatt gcggttcgaa ttggctcaga 180
 ggttcaaaaat tcaatttcga gcgtctcgat atattacggg actcaatcag acatccgagt 240
 aaaaaagtat tgtcgcttga attggctcag agggtaaca ttcaattttg agcgtctcaa 300
 tatattatgg gactcaatct gacatccgag taagaagtta ttgtccgcta aattggctca 360
 taagttcaac a 371

<210> 15294
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15294

agcttgcaaa tctttttatt gaactgttat tcaaaaccaa gaggtgtgtc catgtagact 60
 tctctctcta agtccccatt taaaaaggca ttctttacgt caagttgttg taatgttcaa 120
 tctaaatttg cagccaatga taagaggact ctaatggtgt taagttttgc aacaggagca 180
 aaagttttct agtaatcaat accataggtt tgggtgaagc ctttggcaac tagcctggcc 240
 ttgtacctct caacaaaacc atttgggta tacttgatag taaacaccca ttgtctccc 300

asgggtgttn ttctcttggg taggtccacc actttccaag tctgatnttt ttctagagct 360
 cccatctctt ccatgacagc ttctctccac ttaagaaccc cttagagcttc ctgtatatct 420
 cctgggtattt ctatanttgt cagttccaaa gtaaaagctc ta 462

<213> Glycine max

<223> unsure at all n locations

<422> 15295

agcttactaa cctgggtttaa atctctctcc ataaataaat taaattccaa tctagataag 60
 ctaagataag atttagatta aataatatct agatgagaaa ttcaaatcta gataagataa 120
 gacccagatct agattaaata atatctagat gagaaattca aatttagata agataagata 180
 agatctagat taagtaatat cttagtgaga aattccacatc tagataagat aagatctaga 240
 ttaataatg tctagatgag atcaaatcta aataatatct agatgagata aagatccagat 300
 aagatctaat tctgtagaat aaaatagttc gccctcttca agtccaagcc caattctgga 360
 ttcataccca tgcctcgattc tgga 384

<211> 15296

<211> 407

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15296

agctttttat tatcagtaga tgaagatgaa cctgtggcca cctcatggac tctcttaaga 60
 acaatatcat cattctcttc actgaatttg tgggagccat cttctcaatc aaatttctag 120
 cctcaaacag gtcataacac caaaagcttc accattggca gcttcagta tactctcttc 180
 catgttgcta agtccctcat agaaatattg aagaaggagt tgcctcagaaa cctgggtggtg 240
 aggacaactt gcacacaatt tcttgaattc ttcccagtae ttatacaagc tntctccact 300
 aagttgcctg atgaacctaa tctctctctc gatggtagtg gtcctagatg cagggaagaa 360
 tntctccag aacacctctc taaggttatc cagctganta tggacct 407

<210> 15297
 <211> 378
 <212> DNA
 <213> Glycine max

<228> unsure at all n locations

atgtaaaaa aggcctatg gttctcatga attttaaggt agattttctga gcccatgggc 180
 gaaggtctggg tccactcttc ttgttaaata ttagaatagg ttttccttct ttgngcctt 240
 gtaatttgat ggaatcctac cccccaatct tattggatag aagactccaa gaggattggg 300
 ctatagcgac taatagaagc cctanggttc tcatgaacct catggtagaa tttttagccc 360
 atgggtgatgc aatcctac 378

<210> 15298
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 15298
 ctcagggtcc acttatatcc catttctacc aactacaaag cctaagaaca ctatattatc 60
 tacacagaac ggcgaacttc ctatatttac atagagggtg gttttcctaa ggaactgaaag 120
 aactttcctg agatgtctca cgtgatcacc tatgtcctca ctgtactcca acatategtc 180
 tctataaaca actacaaatc tacctatgaa atcccttaag acatgatgca taagcctcat 240
 acaggtgctt ggtgcattag tgagcccaat aggcacact agccattcat accaatcaca 300
 cttggtcttg aaagcgagat tgcactcacc actctt 336

<210> 15299
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 15299
 tctagaaga agcttctgac agtttatgac tatgataatg aggcagtgga agcaatgatt 60
 agttgctcag agaagagagg agccaaggca catagcagca cctgcacaaac caaaagaagg 120

ttctggaagt gtggaagcaa aaggaccagt tgagagactt caaagtaaga aagcacaaga 130
tagtgggtgag aatgggtgggt ttaacattga gtgcaggtgt ttggatcaag tggactcttt 240
gggattgata atgataccaa atagaacgag gtacettata aattggctgg tgaactccat 300
atgataccaa atagaacgag gtacettata aattggctgg tgaactccat

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15300

gaagagggca ttctattgat tangaaacaa gcagtaagca ccgcgtctcc ccaatgatgt 60
gtacgaacat tgaatttag cattatggaa cyagcagttt caagaagatg tcatctcttc 120
cttctctgta taccattttt gtgtggagtg tctggacatg tggactgatg tataatacct 180
ttggaagaca aaaaagaaga aagatcatgc gagaagtact ctttagcatt atcactcttg 240
aaaattntaa ttggtcatcc aaaatgatcc tcaatctcat tgagaatgac acgaatatag 300
gcaaaagtcc agatctgtct ttcattagat aaacccaagt acatctggag aattcatcaa 360
taaaggttac gaaatatcga ataccaatag atgtgac 397

<210> 15301
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 15301

agcttgatg tgcgtacccc accattgttc atagtataac attggtaatg tgtctactat 60
tattgtgac atctctttct ccggcattgg aggtgccact tgagctgccg ggtctctcca 120
cctttggggg tattctttga aagatctgtg ccctttattg cactgtttct atagttgcat 180
ctatccggg gccatctcag aattgtactg ataetgccca accaatgcaa ccattaggtc 240
tttccaaaga tggactcgag aaggttccaa gghatgtgta ccangtaaca gctaccagtc 300
aagaatttct tgggaagacat gtatcagcag ttctctatct ttctcgtatg ccccatctt 360
ccgacaa 367

gttaaggaat gataatgtaa actaatnttt atttctcaatt aatactcaat taatttttaa 180
 tgggattntc taattgatat aattnttaag ataattctat taacaaatta acanaggtgt 240
 attttggtta attgtattct tcaaaaagtg tttttttatt aatatgcttg tctaaactat 300
 atttctttt atttatttg tttttttt tttttttt tttttttt tttttttt

 <210> 15307

<211> 335
 <212> DNA
 <213> Glycine max

<400> 15307

agcttttggtt ctaatagctc caatcagtc tattcccat atagagaacg accaaggcgc 60
 tgcgaagaca ttcaaaggta caggtgaagc attgacatta ttgaagaagg cctgacaatt 120
 gtggcaattt ctcacatgga tgcacaatc gttttccata gtgagccagt aatccctgc 180
 tatcaaaaatc ttctggggcca tggcatttcc attggcatgt gttacaaaagg atccctcagc 240
 taattccact agcatctgct tagcctccct ggcatccaca catcgaagca aaacccatctc 300
 atgggtctctc tatgatggga aaaccaagtg cttgggttcaa gttggatctt ctaggatgga 360
 atttgtgcac caggagcaac aaccc 385

<210> 15308
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15308

cgtacnncca ccattttcat agtagaacat tggtaatgtg tttactatca ttgtaataat 60
 ctctctctat gttattgagg gtgctacttg agctgcacaa tctttccacc tctgggcata 120
 tctcttgaag gattcatgct cttttttgca catgttctat agttgcactc tatctgaagc 180
 catatcagaa ttgtaactgt actgtttaac gaacacaaac attaggtctt tccaagaatg 240
 gactcaggaa ggttccaaag ttagtatacc aggtgatagt tctcttagta agaatttctt 300
 angagaaatg tattaacagt tctctatctt ttgtgtatgc ccccatcttc cgacaataca 360
 tctttagatg gttcttggag caagtatgac cctgttactt gtcaaaagtc gacaccttga 420

acttgngaat gaccatgttc gggactaag aacaactctt ct

462

<210> 15309

<211> 361

<212> DNA

<213> Glycine max

tcaagttga caggtttgaa atatatctct gatgtcttat argtgctga cactgacaa 60

aatctactta gtattgtca gttttagag aaaggcttca aagttatatt tgaagaaaat 120

tggtgcttga tcaagatgc aataggaaaa gaggtattta gggtaaaaat gagggctaaa 180

agctatgctt taatctaat ggaggagaag caaatagctt ttccaagcat gaccaccaat 240

gttgaactat ggacaaaaag gtcggacac ttcatcttg ctagaacttt atgcatgcaa 300

aaacatgctt tgggtgaaag tgtgtcaatc ctggaagaca agttagccga ttgctggct 360

ttccaatatg gtgagctagt c 381

<210> 15310

<211> 356

<212> DNA

<213> Glycine max

<400> 15310

agctttaaca ttcaacttcg agcgtctga tatattacag gactcaatca aacatccgag 60

aaaaaagtta ttgtcgttg aatttgcct gaggttcaac attcaatttc gagcgtctcg 120

ttatattaca ggaactcaatc agccatccga gtaaaaagtt attgtcgttt gaattggctg 180

agagcttcaa cactcaattt cgagcgtctc gatatgttac gggactcaaa cagacatccg 240

agtaaaaatt tattgtcggg tgaattggct cagagcatca acattcaatt tcgagcgtct 300

cgatatatga cgggactcaa tcagacattc gagtaaaaag ttattgtcgt ttgaat 356

<210> 15311

<211> 476

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15311

gacactatga tactcagctt gagccattca nacaacaata acgttntact cggatgtctg 60
 attgigtctc gtaacatata gagacgctcg aaattgaatg ttgaagctct gagccaattc 120
 aaaagacaat aacttttttc tccgatgtct gattgagctc cgtaatatat cgagacgctc 180
 gattgagctc gattgagctc gattgagctc gattgagctc gattgagctc 240
 gattgagctc gattgagctc gattgagctc gattgagctc gattgagctc 300
 gattgagctc gattgagctc gattgagctc gattgagctc gattgagctc 360
 gattgagctc gattgagctc gattgagctc gattgagctc gattgagctc 420
 gattgagctc gattgagctc gattgagctc gattgagctc gattgagctc 480

<210> 15312
 <211> 333
 <212> DNA
 <213> Glycine max

<409> 15312
 agttttgatg taacatttgg agaggttaat gaaacaacga gatgatgcgc tccatgagag 60
 gttggatcaa atggagaata gagaccatat gaattgctca agagcttcca ttgttcaatt 120
 tccagcgtct agatatataa tgcgcctcaa tcggacctcc gagttaaaag ttatgacct 180
 ttgaaatgct caagagcttc cattgttcaa tttcgagcgt caccatatat tatgcacctg 240
 aatcggacct gcgagtgaac acttatgacc atttgaattg ctcaagagct tccattgttc 300
 aattttgagc gtcacgatat attatgcacc tgaatcggac ctgcgagtga caacttatga 360
 ccattttgaa ttgctcaaga gct 383

<210> 15313
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <409> 15313

agcttgagtt gtaaaagcca aaagtgcacg tgattaatad ttgtaacttg ttgaagttaa 60
 tgaactttgg ttggttagcca agaactggac atatgggggg atgatgcaat cctaccccca 120
 agggcattgg atagaagact ccaagaagat tgggtcagaa ctactgaaga agggcctatg 180
 gttagggttt tggcccatgg actaagtatg agctcactta tctttgtaca tctttagtta 240

gggtttcatt attttttggc cttgtattta gggctccata gtgtagggag ggtaccctag 300
 taaagtagga tctttcagcc tatgtattnt agggcacata gact 344

<L10> 15314

<L11> 335
 <L12> DNA

<L23> unsure at all n locations
 <L400> 15314

ctcactcgga ggcccgatcc angccgataa tatatcgaga cgtctcganat tgaacaaagg 60
 aagctatcga gaaattcana tggtaaatcc ttcgaactcg gaggtccctat taagggtgat 120
 tatatatcga gacgtccaaa attgtacaat ggaagctctc tggctatada aatgggcata 180
 actttcact cgaaggtccg attaaggcgc ataatatatc gagacgtcca aaattgaaca 240
 atggaagctc ttgagcaatt caaatggcca taacttctca ctgggaggtc cgattcagct 300
 gcataatata ttgagacgct cgaaattgaa caatggaagc tcttgagcaa ttcnatgggt 360
 cataacttgt cactogaagg tccgattcag gcgcataata tatcgagaca c 411

<L10> 15315
 <L11> 335
 <L12> DNA
 <L13> Glycine max

<L23> unsure at all n locations
 <L400> 15315

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 aatatacga gacacttgaa atagaaaacg aaaacttgta gcaagtgcat accacaatca 120
 attntaactc gtcccgaaat atgttgagat gctcgaaatt gaaaaagaaa tttcatagca 180
 aattccaaacg acaataactt tttacacgga tgttcgattg agtcccgtaa tatatcgaga 240
 tgcctccaat tgaaaaacgga tgcctcaatc atattcagac gacaataact ttctacacgg 300
 atgtctgatt gagtcccgta atatatcgag acgt 335

<L10> 15316
 <L11> 496
 <L12> DNA
 <L13> Glycine max

<223> unsure at all n locations
 <400> 15316

baatcagatt cgttaattca ccgctcgata ataccggtct catcgggatt ttcgtgtata 60

gagctgctt cgttgaattt tttttttttt tttttttttt tttttttttt tttttttttt

tttaagttta ttggcgtttg attcttctaa gagtttccat tntcaatttg gagcgtctct 120

ttatattacg ggactcaacc agacatccgt gtataatggt attggcatta caattctctc 360

ttagcttctc gtctcaattt ggagcgtctc gatattattac ccgattcaat cggacatccg 420

agtaanaagt tattgtcgtt tgaattctca ttgagcttcg tntcaatttc gagcgtctcg 480

atatattaca ggactc 496

<210> 15317
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15317

tcaagtttgt ggatagcctc cacagcattg ttttcaccca aggaaatggg ggtcctgaca 60

ccatcaagaa gatcaccacc attgaaggtc agttaattaa tgttaccttt aatttttttt 120

atttgtaaga ataaaagaat aaaaaacatg taccaaaaatt tacaccaact catgtactta 180

tatattgttc agctaattga gttagatgct ttgattaata ttatcattaa ttaattcaat 240

acaagatatt ttcttgaact tatatataaa caaaaataac tattttcaca cagagttata 300

attaaataaa tgatattgta ataataatat cattaaatag gaatgaagtt acttanatgt 360

acttatattt atatttgagt gttagataga gtaact 396

<210> 15318
 <211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15318

aaacaaatcc atgtatgggt tanagcaatc cncacagcaa tggaaatagga gacttgatga 60
 atttatgggt cacataaagt ttcatagaag tcactatgat aattgtgtct aattcaaat 120
 ccctctaaa gtcaggtttg tgatattgt attatatgt gatgatatt tgatagcaag 180

<210> 15319
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15319

agtttaaagg atgtgaacaa attagcatgg gcagaaatgt ctctgcattg attggtaaatt 60
 ctgttcccca aattcttgaa aaatgtaaag atccaggtac attagcata ccttgtatta 120
 tagggaatag taagtttgac aatgccatgc tagatttagg agcttctgtt agagctatgc 180
 ctctgtctat ttttaattct ctatctctag gtcccttgca gtcaactgat gtggtaattc 240
 atttagctaa tagaagtgtt gccatctctg ttggtttcat agaagatgtc ttagtttagag 300
 ttgggtgaact gattctccct gttgattttt atatntgaa tatggaggat ggg 353

<210> 15320
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15320

cggtgacaaa ggcataatggg aggccttact tgcataatgag gtgtttctat gtgaacttct 60
 ccaccttatt agttgtaatt tctcacagtg gtcttgccct gatcccttgn gtgaagtaatt 120
 cgattgccat tagtaaggtat ttaactgttc ttggggccct taacagtggc ccaggtatgt 180
 tcatctctca catggcaaaag ggccatgagg agctccact atggagattg ccggaggagg 240
 tgcattgaat gcttgcaaac tcatggcctc atctgcact ctttgtaaag tcaagggtgt 300
 ttgccttgaa tgttggccag tagtagccaa cagccaccac ctttgttgaa ggcctctctc 360

ccagtatgga gatcgaatat tccatcgtgg agtcctctca tgacataatt tgetag 416

<210> 15321
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

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 caagaatatc accataatcg ttggttgaaa aaaactttta atggaagata ggagtttgga 120
 ttgccccga tactaataac agaaaaaaaa atttatgagc gagtggagga aatatgtact 180
 atcttttgga agatccaaaa gaaggatgca aatgagaaaa acaaatggaa aaagagggtc 240
 atattctttg atctccata ttggtttgtc ctanatgtta gatattgtat tgacatgatg 300
 atgtgggaga aaaatgtatg tgatagtta atcagcacac ttcttaacat taaaggcaag 360
 acaaatgatg gtttgaatgc tctgc 385

<210> 15322
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15322

tcttggtatgc ctaagtgtgg accctctagg gcaatcctcc atttccattt attttgagcc 60
 ccattgaatgt catggcctag cgtagctcat gtgtactaca ccttcgagta tggagccccg 120
 cgaatgtcat cgtctagctc tattagccaa ttctccattc cacactttta tttggagccc 180
 catgagtgtc attgcttagc gctgtacatg tgcctccac cttcaagtct ggagctatgc 240
 ttcattgaatg cctaagngtg aaccctcttg tgcaatgtc cattctccac ttttattctg 300
 agcctcat 308

<210> 15323
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15323

cactcaagct ntctcttttg tgcaactatc tcctctctt tttcaggtgt agaatgaagc 60

ttgtcttgtt ttgggtgcagc tgctgtact ggtggagaca cttgaatttg gattccagac 120

ctcaaggtga tggcactcac attttcaga ttctgcacag ttgtcaagg atatttgtca 180

actaatctt cttaaggagg ttgaggaga gccacagttg ctgggtggt ttgttgagac 240

tgccgtctga ttggaggagg aacatatggc ttgcttgtaa cagcaaatc ct 412

<210> 15324

<211> 503

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15324

ctctcttatt gggaatcac aactgatgga tatgtagcat ttgttatgat ttagtgtgta 60

aggttctctt ctaagagcaa aattataatc taagcaagtt cggttaggct ctcaagtggc 120

tgacaagtct cgtttaagtg gtcttttttg ccttggttaa caacaaaatc gagtgttagg 180

tgcaaaaatt ggaaagctcc actacacata atagcagtat tatttatctc aatatttgtt 240

tatgcattca tggtaagttt gcttatntg tctgtgtggt tctcttcatt tatgaactnt 300

gagaattata tgttatgata tatttcactt atttgatgag atgaactatc angtggaagg 360

gtcagcagtc ctgcaggca cagagtagaa gatccatctt caaatagagt accgtgtgat 420

gcattaatgg agtaatgtgt ttatgtgctt gtgacagtaa gtcttgcatg canggccatg 480

taaatatctt taatgataac tat 503

<210> 15325

<211> 326

<212> DNA

<213> Glycine max

<400> 15325

gacattcata tatcaagtat cataatatta tcataaaaca taagaacata aaatatcatt 60

attataatc aagtcattca aacacatgca taataattaa tctacacaca cacacagtta 120

gacaaagtac ataaattctc tgtaaacata cagtatttga caatttataa tgtaatat 180
gaataacatt atccaaagta agcaattctt aaaaaaatta tcatgtcttt ataattctca 240
ctaaactttaa tagtaacttt aatagatgaa atgtagctgt attagcagat ggataatcat 300
cgtatcttctt cttcttcttctt cttcttcttctt

<12> DNA
<13> Glycine max

<23> unsure at all n locations
<40> 15326

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atatatcgag acgtctgaaa ttgaataccg aagcgctaag caaattcaaa cgacaaaaac 120
tttttactcg gatgtctgat ttggtccctt aatatatcga aaagctcgaa tttgaattga 180
gaagctctga gcaattcaaa acaacaataa ctttttactc ggatgtctga ttggtccctg 240
taatatatcg agatgtctga aatggaatac cgaagctctg agcaaatcca aacgataata 300
acttttactc cggatgtccg attgagtcct gtaatatate ggaacgctcg aaattgaatg 360
tagaagctct gagcaaatcc aacgacaata acttttct 398

<10> 15327
<11> 492
<12> DNA
<13> Glycine max

<23> unsure at all n locations
<40> 15327

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gtgtctcaggg ctctcggtatt ccatttcgag cgtctcgata tattacggga ctcaatcgga 120
cctccgagta aaaagttatt gttgtttgaa ttgtctcaga gcttcgggtat tccatttcga 180
gcctctcgat atattacggg actcaatcag acatccgagt aaaaagttat ttgagtttga 240
atttgcctac agcttcggca ttccatttcg agcgtctcga tttattacgg gactcaatca 300
gacatccgag taanaagtha ttgtcgtttg aatttgcctc gagcttctac attcaatttc 360
gagcttttcg atattattac ggactcaatc agacatccga gtaanaagat atggtctcgt 420

gcaattgctc agagcttcag tattccattt agagcgtctc gatataattac aggactcant 430
 cagacatcgg ag 492

<210> 15328

gcctatctatg cttttacctc aaattttatt ttggtgaatt tatctatcaa agcattcacc 60
 ctcaacattt aagagacttg tgagtntac cttctatcaa ttacacata acataatttc 120
 acctntaac ccciatnttt ttttggcaa attttacct gatctttgt tcttaactaat 180
 ggataatgat aggaataaag taagcaagtt ttctaaaag tcaagagtaa aatgtgtcaa 240
 attaatntt tgaaataaaa attcgcaca aaaaattggc ggtaaaaagt gtaattaagc 300
 caaattaact actattttca tcttaacttt tcttgtctt tctaaaaaa tatatgacaa 360
 ctattattgt gaaacggagg gagtaacatt atccattctt actaganaan naatattcat 420
 tcttttgtat attacaagaa atagctatga taaccgaaga aatatgagtt ntgettacca 480
 tggattgat atgaagtatc tatcacacaa gatcatgac 519

<210> 15329

<211> 484

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15329

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 tctcaattaa tntcttctt taacgcattt gcctatgcag gttgagaacc atgaaattga 120
 cncacaactg atgnggaagg tgaagcagtt gatcaatgca tactatgagg aaaacctgaa 180
 gaaaagcttc taccagtctg agatagccaa gaggttggag aaacagcaga acacctctga 240
 tatagattgg gaaagtaact tcttcatttg gcctcgcctt acctctaaac tcaatgaaat 300
 ttcaaacatc tctcangagc ttggttaagt caatccatat atgttccctt ntcttnttt 360
 ttacctacat gtattctctt tttagataa tnttgattga gacacagtta aacactanac 420

gtgaatatatt ctccanacat anattcanac ttgattacc atgtgggtgga aactaacct 480
tatg 484

<110> 15330

<111> 15331

accccttgaa ctacttcaca ttgatttatt tggccctca agaactatgc gtttatgtgg 60
aaattactat ggcttagtaa tagtagatga ttactcaaat ttcttggact ttgtttttga 120
aaacaaaaaa tgaagctttt gatgattttc acaaacttgc caaggtgatt caaaatgaaa 180
aagggtctcaa cattgtttca attagaagtg atcatggagg tgaatttcaa aatgaacttt 240
atgaanaata tgaattcac cataattttt ctgcctcaag aacatctcan gagaactggtg 300
ttgtggagag gaaaaataga tccattgaat aatgtgcaag agaccttcta tatgaaacaa 360
ggttaacctaa gtactatata gaagaatgta tacatacgtg ttgttccacc ttgaacagag 420
tacttattag acctatct 438

<110> 15331

<111> 417

<112> DNA

<113> Glycine max

<223> unsure at all n locations

<400> 15331

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atttagttat cgtagtttga atttgcctcag ggcttcggga ttccatttcg agcgtctcga 120
tatattacgg gactcaatcg gacatcagag taaaagttta ttgttggttg aatttgctca 180
gagcttctgt attccatttc gagcctctcg atatattacg ggactcaate agacatcggg 240
gtaaaaagtt attgtagttt caatatgctc agggcttcgg tattccattt cgagcgtctc 300
gatgtattac gggactcaat cacacatcgg agtaaaaagg tattgtcgtt tgaagttgct 360
cagagcttct acattcaatt tcgagctggt cgatatatta cgggaactcaa tcagaca 417

<110> 15332

<211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15332

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ttttatcatt attgcaatga aadaacatta attaaatgga ttatattagga ttaaacatta 120
atgtgtgttaa ttactaaaaa aactaagtat ttgttaaattg gttttcatat tgtcaaaggg 240
atttaactta ggtaggtta agogaacgaa ttattgtaaa tttttttatc tttaatctct 360
agaacaaaa naattaattt tatattntaa aattntatta ttatcataac attgatggga 360
aactaataca ttacttagac attntttatt a 391

```

<210> 15333
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 15333

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agtttaattg gttcaggccg gtttggacaa gtctacgaag gaatgctaca agataataca 60
agagtagctg tgaaggtgat ggatacaacg catggtgaga tttcaaggag ctttagaagg 120
gaatatcaaa ttctgaaaaa gattaggcac agaaatttaa taaggatcat cacaatttgc 180
tgtaggccag aatttaattgc ccttgTTTTT cccttgatgc caaatggtag ccttgagaag 240
tacctatata caagccaaag gttggatgtg gtcgaattgg taagaatctg cagtgatgta 300
gcgatggaa tgtctatatc gcaccattac tctccagtga aagtagtgca ttgagatctt 360
aagccaagca atatactctt tgatg 385

```

<210> 15334
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15334

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agttttatat actttccatt ttatatatt aggactatga aagttttacc tgaaatgttg 60

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aacatataac aaaaatattg ggatatatct tacacaaatc atgttggtca agcttcacgc 120
 gtatgttttg tactattaag tcaatggcaa catcattatc tcttccactc gggatgataa 140
 tatbagcata ttttttagtt ggcaatacaa aatcttcaaa acttgggttt acaaatctgg 240
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<210> 15335
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 15335
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 actattccac tttttattca agttatgaat tcccttaatg acaatctct taaatattga 140
 ttcaaataaa acaatttgaa tatgaatata aagaaataat aaataaagga gattaaggga 240
 agagaaagtg caaactcaga tttatactgg ttgggcaca ccttgtgac taagtccagt 300
 ccccaagcaa ccgcttgag agttccacta tcttggaat tctttttaca agttctaaac 360
 acacaaggac aatc 374

<210> 15336
 <211> 414
 <212> DNA
 <213> Glycine max
 <23> unsure at all n locations
 <400> 15336

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 tggatgatac catattcagt gctactaatg acttgtgtg cgaggatttt tccaaactta 120
 tgcaggcaga gctgcgatg agtataatgc gagaattgaa gatctttgtt ggacttcaaa 180
 tcaggcatad aaactatggc atatacacac atcgaaacca gtgcattgag gaactcttga 240
 agaatttgaa gatggatgat gaaaacccaa tgataacact tatgcattca accactgtac 300
 ttgactagg caaagaatca tagcgggttg atgaaaagac atacaaagaa atgataggat 360

atctttttgta tgtcattgag tccagacctg acattatggt cagtgtatgc ttct 414

<210> 15337

<211> 471

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 tttacatcaac ttcaaaagtaa agaagtaact agcttaacct aacaatttca ctatgtaacag 180
 aagacaagc atgatattaa gcttcactgg atgattctga aacagtgagt tgcctcttag 240
 aagcctaga gagaagggtg tctcccatat aaacacaaag gccagaagtg gatctctctg 300
 tttcaacaca ggttggccaa tcagcatcag caaatgcagt gaagttgaca gagttgtgag 360
 catggaagaa caaaccttgt tcaggagcag atctgatata ctacagaaga atatgaacaa 420
 catgtagggtg aagaactcta agtgccttca tatactgaat taatogatea c 471

<210> 15338

<211> 491

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15338

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 ggttgggtgca ttccacaatc canaggatat ccttatgtat gtaaaaacat caaaaggaca 120
 agtgaaagta gtntctctt ggtctttaag atctactaca atttgggttat agcggaaata 180
 accatctaaag aagcaataat aagcttgtac ggccagccgc tctaacatct aatccatgaa 240
 aggaagggga aagtgatcca tcttgttgc ctgttaaga attttataat ctatgtacat 300
 tctccatccg gtcattgttg ttgtgcgaat taattcattt ttctcattct taacaattgt 360
 catgcacacc ttcttcagat caacttgcac tcaactaacc catgcactat ccanaattgn 420
 ctangtcatt ctatcttcta gaagtttana acctctttcc ttacctctt ctccatcaca 480
 acaatcaatc t 491

<210> 15339
 <211> 357
 <212> DNA
 <213> Glycine max

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 tcatcattgg ctctcttgctt ggatcatgct tggcttccat ccattgtgtc agcttatcga 180
 attggaacac cttaactaaa actattagat tegtctcttg atctaagagt ttgtatgacc 240
 ctatgggatt gttagcaaca aagatcatgt gttcactctt gtcacccaat ttggcccttg 300
 attgatcagg agtatgtcat gaacatgatg aaccacaaac tctcatatgc ctacacag 357

<210> 15340
 <211> 502
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15340

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 gatttctctn tctttntca acatacactc gttgttgat aaaacaattt tctttatata 180
 cactcattgc tcacacacca gaatttcttt tcacacatta tttatacaca caaaatcttt 240
 tcatacactg tntatataca aaaactctnt tcttttcttt atataagata tgacatttgt 300
 tcacaacgcc tctntctctn tctattcttg ggttatcat gatgtttgtt cgttntattn 360
 taggaagagc ttcttaaatg aaaactctac acggttcgg aatttaacan acattatcga 420
 caataacgaa gtaagcacta nagcaacagt tcaacataat gtatgcacaa aacanatgac 480
 atcaaaaca acataaaca ac 502

<210> 15341
 <211> 484
 <212> DNA
 <213> Glycine max

agaacctccaa tctttaatgg agagggttac cactactgga aaaccogaat gcaaattttt 120
 atogaggcaa tagatctaaa tatctgggaa gccattgaaa tagggcotta tatacccacc 180
 aatagtagaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240
 gctatgana tctgggacac tcttcgataa cacatgaagg aactatggt gtttaaaat 300
 ctta 413

<210> 15346
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15346

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 ctgttgatga gtggccatt caaaagtgc atatgtctat gggaaggata ttgcatttac 120
 ggtgaacaac ggttgaacat atagtcttg ggttagctg gtctggtatt agatgataaa 180
 gaacatgtct cgtttcaatt ataccaatct tcatacgttt gtctgtatcc tgcaacatgc 240
 atgaattgga agaaaatata aatgcacagt cagtagatga cagcagtttt gaaatggaaa 300
 taatattgaa agcgaatgtg ggtcttaata atacattaaa cagcgttata ttgggtgaga 360
 ggtgtaagac ttgggaatga gtaacgtgga catgatggcc gttatgaagc tttactgtga 420
 ctgggttgat gcattcatat g 441

<210> 15347
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15347

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 ggatategag acgctcgtaa ttgaaaaagc aagctctgag aaaaatcaaa cgacaataac 120
 tttaactcg gacttcgat tgaacctgt aatatatga gacgctcgaa attgaaaaag 180

gaagctctaa gaaaagtcaa acgacaataa cttttgactc ggatgtccga tatagtctcg 240
 taatatatcg agacgtctgt aattgaaaac cgaagctctt agcaaattca aacyacaata 300
 acttttgaca cggatgtcca attgagttctc gtaygatata gagacgtcca taattganaa 360

 15342
 334
 DNA
 Glycine max

<210> 15342
 <211> 334
 <212> DNA
 <213> Glycine max

 <230> unsure at all n locations
 <400> 15348

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 aagttatgoot atgtttgttgt ggatgatctc tccagattta cctgngtcaa cctttatcaga 120
 gagaaatcag aaacctttga agtattcaaa gagttgagtc taagacttca aagagaaaag 180
 gatttgttca tcaagagaat caggagtgcac catggcagag aatttgaaaa cagcaggttc 240
 actgaattct gcacatctga aggcattcact catgagttct ctgcagccat tacaccacaa 300
 cagaatggca tagttgaaag gaaaaacagg actc 334

<210> 15349
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 15349
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 tgttgcatgc ccttcaatct tagtgtgcca ccattattgg ttggaatgca cacatcacca 120
 atccccacaa tgtttgtaat gctactattg accatgttca cttttccaaa gtctcttget 180
 ctatacgtag taaagaattc cttgtttgaa gtggcatgat aagatgatgt tgaatcaatg 240
 accaatcca cacatgaata tgaacacagg caattatccat cttccacaga gatctgttgg 300
 gtacaagtgt gaagtg 316

<210> 15350

aaaaatgggc attgaccaat ccttattcta tgaattgacc caattatcta gtgaggggtgt 120
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 ccggttggtt tgcaccaatc aagcggatat aacgcgaaagg cttattgcgc gatcattggc 240
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<210> 15353
 <211> 413
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15353

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 tegtnttcag ttgtcacatc ttctgttagt acatgaacat gtcttgcaag ggcgagagct 130
 ggcccatttg ataactgaaca gtgcacaaaaa ggtaatcacc caacgaaagy ttattatcgt 240
 ccaagtaatt aaactgaaga tcaaacgcgt tntctagctn taggtccaga tcatcgttcc 300
 aattgggtgc gctctgcacc tgcctctcgc agtgacatc gggcgaaacc acgtgctccg 360
 aactgctcga agtcgtgttc aaccttggca ccgaatccga agtctacatg tac 413

<210> 15354
 <211> 416
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 15354

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 ttaactctaa aaaaatagaa atacatantc ctttttccgt ggaattgctt taacgggtctt 120
 gcttttttga attctattta tattaatat tcaactctat aattctttat ccgttcggac 130
 aagaacacag gggaaggact aattgaaagg tgaagaatcc acatacrgat tgcacctctt 240
 tctctctctt cttagtccaa tgacccccc ctttttttaa gataatatt cccaagtgtt 300

aaaacttgag agatcttgca atggatataa gaactgggat ctaattcgaa taagtatcat 360
 tcttttggga atccttcaat tgattgacca tccaaatata tatggaatat atatat 416

<210> 15355

ttttacaaag catacgggct tctggatgta gatgatgata tctatcacaa tggatcttat 60
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 gaagtaccgc acgagtgggt atataggaat ccaaatctgc cgaatcactc atgttatgat 180
 cttctacatc ctaggtcttc ccttcccttc atctggotta tgttcttcat gtagcattca 240
 gactgaatga ctctatgaaa ttaactcgtc acttccacat ggtaacgggt acgtaggaga 300
 catctctatt tttccggggg gaatccttat attaccacag cttaactttc attcgcctct 360
 gacatcacat gaaaggataa cccgcctccc tcttgaaatt taaacaaagg tgttcggtct 420
 gtctgtttga acaatttgct ttcatat 447

<210> 15356

<211> 407

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15356

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 atttactact taaaaaatgt gcttaacatg tgatatgtgg aattaaatct ttttagacta 180
 ttaaaaatgt tcatagctta ttgaccttta caaaaaagaa acttcanaat caatttaaca 240
 ttctcaacaa agttcaaaatt acatattttc ataactcaata tataaataac aaagaccaat 300
 aaaatcttca tcaattnttg tatcaactaa atcattttaga cctcaatgaa acatanacaa 360
 caacaccttt catgttttct aatttcaact aaaaaatgat aaatagt 407

<210> 15357

<211> 432

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<112>      DNA
<113>      Glycine max

<123>      unsure at all n locations
<400>      15357
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<J10>      15358
<J11>      307
<J12>      DNA
<J13>      Glycine max
<J400>     15358

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-2110>      15359
-2111>      396
-2112>      DNA
-2113>      Glycine max
-400>      15359

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atcggggggc aagtaaattct tctttccatc agaccttgta tgcgaactgtg atcgtatccc 180
catgtcagct agatcttgac gagtattcaa gccatccttc ttcttgccct gaatgttaag 240
gagcatccca atcacactgt cacatacatt tatctccaca tgcataacat caatacaatg 300

ctcctctctc cctctctctc cctctctctc cctctctctc cctctctctc cctctctctc
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<11> 15360
<111> 417
<112> DNA
<113> Glycine max

<123> unsure at all n locations
<400> 15360

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gcagaatgga gaagggaagag agagag-gaga cgcacttca aggagaagat gagtctagaa 120
gaagctcacc accataggag gccatggata agagcttgga ggaagaagga gatgaatgaa 180
ggagagaggaa gagaatagca cgaaattnta tgcctctaaa gagctctgaa atctgaagtt 240
taattttcaa attatcaaag ttgaaaaaat gcacacacat gacctctatt tatagcctaa 300
gtgtcacaca aaattggagc gaaatttgaa ttctattcca natttcaact gaatttgaaa 360
ttgaatntat ggagccaaat ttggagacca aaatttcaact aattatgatt agttaat 417

<110> 15361
<111> 384
<112> DNA
<113> Glycine max

<400> 15361

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catattggta agactgacaa tctctctctc tctttttctt ctcatctctc ctagtogaat 120
tcttcaactg aaaaataata ggaaaaattc cgtcaatata aatttgcaag gtagaagaga 180
atatataaaa aggttggttc ttaacgatca gactcaccat aataacaaga atccggacaa 240
aaactggcag caaatgggtt aacaaggcca aggcattgtg tacatagtcg agatcgccca 300
agtgtgccc tccaacctat tcttggtgtg ctactacaa gtaacctaca aacaccaata 360
gcccaaagta caactgcaac acca 384

<210> 15362
 <211> 348
 <212> DNA
 <213> Glycine max

aaatctggga aattgctaatt gaagaacttg gaatatataga cccatcacagt ctctttatctc 120
 ctccpytgaca acatgctaatt gttagccagt taagtcggct ggtgagaaga aagcatgtga 180
 ttggaacat tttaaatttt ttagtatact atacagggcc tgtaacgggt ttgtgatgca 240
 taccattatt aatgatgtgt tatgcttatg tcatgttaca aagaattggt agactcagtg 300
 aagagtatga tccatgcact gaanagcact ccattgtata cttcaatc 348

<210> 15363
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15363

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 gtgcatatgg agtacaaatc aagcagcaat tgagcttttc cttgataaaa tgtttgtaaa 120
 cttctacatg ctttgttcga gcctgtctaa caggattatg agctatgctg atagttgatt 180
 tattatcaca gttatggcttc attggtccat cccattcaat cttcaagttc tttatggaca 240
 caccaaaattg actttttaat cgttgagaag atattntaaa agacattgct ttcttcagat 300
 ttttgtttta gaacaaaacc caagtgatct gggtagaatc atcaataaaa gtcataaacc 360
 agcaagcccc tgaatatatt gaataggaga tggccctcan acatcagtat gaacagaata 420
 aagaggaat atacttttc 439

<210> 15364
 <211> 383
 <212> DNA
 <213> Glycine max

<410> 15364

tgaggggaaaa ttgatgcac tggccaacct agttactcag ctttccatga atcagaaatt 60
 tgcactatacg cctgttgcaa gactatgtgg totatgttct tctgcagatc accatacaga 120
 tctctgtcct tctttgtagc aatctggagt caatgagcaa cctgaagctt atgctgcaaa 180
 ataatataaa agatagtaa cttctgtca gaatgtgtct ggtccataga agccatatgt 240
 tctctctca atgcagcaac aac 300

<210> 15365
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> insure at all n locations
 <400> 15365

tcaacatcag accacttcca ggtgtctgga actacttcac atggatttga tggngcctat 60
 gcaagttgaa agccttggag gaaagaggta tgcctatgtt gttgtggatg attctctcag 120
 atttacctgn gtcaactnta tcagagagaa atcagaaacc tttgaagtat tcaaggagtt 180
 gactataaga cttcaaagag aaaaagactg tgtaatcaag agaatacagga gtgaccatgg 240
 cagagaattt gaaaacagca ggttcaactga attctgcaca tctgaaggca tcaatcatga 300
 gttctctgca gccattacac cacaacagaa tggcatagtt gagaggaata acaggacctt 360
 gcaagaagct gctanggtca tgcctcatgc caaagaactt cctataatc tctgggctga 420
 agccatgaac acagcatgct acatccacaa cagagtcaca ct 462

<210> 15366
 <211> 442
 <212> DNA
 <213> Glycine max
 <400> 15366

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 tcacctcccc cttaggttgg accaaacttt aattgggttg ggcttctccc aattcaatta 120
 aatttatctc ccaacacaca tcaaataggg cacttaatgc atgtgaaatt acaaaactac 180

ccctaattcca gaaactagtc taggtgcoot ataatacaag agctaaaaaa tcttacatta 240
ctagggtacc ctccctacac tatggagccc taaatacaag tcccaaaaat aatgaaatcc 300
taattotaata tgtacaaaga taagtgggtct catacttagc ccatggaccc aatctttcttg 360
tctctctctc tctctctctc tctctctctc tctctctctc tctctctctc tctctctctc

<210> 15367
<211> 423
<212> DNA
<213> Glycine max

<23> unsure at all n locations
<400> 15367

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ctattttcag attggaatg cctctaacag cactttgtc aatgatttc ttcattgctc 120
ttaaagtgcag atgtccaaat ctttgatgcc atattttgac ttcattctct ttggagaata 180
gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcttttgatc 240
tctgtccctt cattaagact tcactctctc catttgtcac caagcattct gactttgtga 300
agtttacatt gaatccttca tcacacatac gactgatgct gatcaagttc gcagtcagtc 360
ccttcaccag cagtactttg ttcagaactn gaagtccatc atggactagc tttcccatcc 420
cagtgatc 428

<210> 15368
<211> 317
<212> DNA
<213> Glycine max

<400> 15368

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caacatataa atttatcgct ttgtcaagaa ctacgtaggt atgattttct catcacaatt 120
gaggatacgt agggagcaaaa gcccaccttt tgtcgaccac cccaagagat cgttaattat 180
cctaaagcctt aaagcttctc tcaatttcaa aatcaagaga tcaattaatgg tccaagcctt 240
taatgtttct cctctttcaa aaccaagaaa ttgttaatgg tccaaaagcc ttaacgtttc 300
ctctctcttc aaaaatc 317

<210> 15369
 <211> 436
 <212> DNA
 <213> Glycine max

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 gaccatagaa cagacaaagg atactgagtg cagttttctg agatcctcat caacagcttc 240
 accatgatgg gtatgggtgt agagcaatcc tcaaaagcca ctctaccttc gngaacggac 300
 gccaaagcat ccaaaacaca nagggccaat tccgtacaat cagggtccat gccagacaa 360
 aattcaacca actgagaaaac agccccaatg ctccacaagca aattcctaac ttccttatgc 420
 anacanattg tcttga 436

<210> 15370
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15370

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 accaattgat tctgaacatg tacttcccaa tcagtgggtga caaggggtgac agcattaaag 120
 catcatacct ccacatcttg gatctattga agaagagtgcc cgcagttgca gagatcacga 180
 gaaagttctc aacaaatgag aacactntta cagtangagg gtcttttgcg gtgacccctc 240
 tgacacaggt canagcaagg ctcaacaatc atggaaagct cgggggcctc ctgcagcacg 300
 agatcatacc anagtcagtg ttactgttt ctgggtgagat tgacaccaan ggccctgata 360
 aaaatcccag gtttggattg caattgccct caaccttgag gttttattca tttttagaaa 420
 gtgacagag 429

<210> 15371
 <211> 428

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tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt	180
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<223>      unsure at all n locations
<400>      15372
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aggaatccat	tgacgaagaa	gacctaggc	ctacaagctc	caatggagct	tacatcacia	180
cagttctctt	taatgtango	caagttaatg	gctgtgctta	agctctcgta	ggtcagacta	240
tcagtggtaa	ctcctctago	tctacttaga	gtagtggtea	aggetangaa	ttcgagccta	300
aaggagttac	tttgggcaat	ggtagaaaac	tgacctgaga	atanggctcc	aaagttcatg	360
tcctatgcct	tgactaatcc	gtacaccaac	ccgctcttgt	ccatatta		408

1400 15373

* gaagaaacaa ggcctactg tgaatatatc atgtggccct g'c'g'aa'c agacatatgc 60

tcaccttcca ctcctgctgc agcacacttt aatagcactg ggctactgac aattcaatta 120
 tagttatcta ctaacacacc tcagatacgg cacttactgc atgtgagtat cactaaacta 140
 cccatagacc ggagactact ctatgagccc tatagtacca catctaattg aaaatacatt 240
 aatcttcttc cttcttcttc cttcttcttc cttcttcttc

<212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15374

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 tacttcgaac tcggaggtcc tattaaggty cataatatat ctaaaagctc aaaattttac 100
 aatggaagct ctttggctat acaaatggtc ataacttttc actogaaggt ccgattaagg 140
 cgcataatat atcgagacgc tcagaattga acaatggaag ctcttgagca attcaaattg 240
 tcataacttg tcaactengag gtccgattca gctgcataat atatcgtgac gctcgaaatn 300
 gaacaatgga agctcttgag caattcaaat ggtcataact tgtcac 346

<210> 15375
 <211> 465
 <212> DNA
 <213> Glycine max

<400> 15375

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 catgttcgtg atttgttatt taattggaaa cttgagcttc atcaagttta atcatttttc 180
 catgactago tctacaagaa gtctcctttt tagaaatggt actcgtcttg ccacaagcac 240
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 tctacatttc tcataccttg gctcaagtgt gtctatttgc aatctcttaa tctaagtggg 360
 acaatcccaa gcttgggtgc gtctgagatt cattctagcc ctttccatat cactatgga 420
 gttgtacata tacttttcta agacatgatg tatcacatac acttt 465

<210> 15376
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

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 cttctctca tattactgag tcttcataa aaatattgga gaagaagctg ctccgaaatc 240
 tgaatggtgag ggcaactggc acatagtctt ttaaatoget cccagtaact atacaggctc 300
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 tggaaaattt ttctaagata ctctctt 337

<210> 15377
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15377

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 cagcagtgct tttctgtca tctttatcac cacaccaatc tgaatcacta taaccaacaa 180
 attttcttc tatattcttc tgactgtaa gatataaaat gccaagatcc aatgttcttt 240
 tcaataacct cagaatcttc ttgtctgctt ggaagtgagg tgtcttggtt tctccataaa 300
 cctgcttata aacccaacac aataggcaat gtcaggctctg gtgttacata ngtaacctca 360
 tgagctct 367

<210> 15378
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15378

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 aatctgcacc tctgcacaga ctctgtgggt tatgtctctt tctgcaccac cacacagacc 120
 ttgccccttc tctgcaacaa tctgaaccaa ttgaasagcc tgaagcttat gctgcaaaaa 180
 tctgcaaaaa tctgcaaaaa tctgcaaaaa tctgcaaaaa tctgcaaaaa tctgcaaaaa
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 gaccatacgt tcttccacca gtcagcagc gacagcccca gaaacagcaa acagttgagg 420
 cccctccgca tctt 434

<210> 15379
 <211> 465
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15379

tcttgggggt gcaacagggg ctaggactat ggaccaatct catatttggc aaaggcatca 60
 taattggaat tctggacacc ggcataaccc ctgaccacct ttctttcaat gatgaaggaa 120
 tgccactccc accggcaaaa tggaatggcc gctgtgaatt cactgggggag aagacttgca 180
 acaacaaget cattgggtgca agaaattttg tcaaaaaaccc aaactcaacc cttccactgg 240
 atgatgtang tcatgggacc cacacagcca gcacagctgc aggaagactt gtgcaggggtg 300
 ctagtgtctt tggcaatgct aagggttcag cagtttgtat ggcaccagat gcacactntg 360
 taatttacia ggtttgtgac ctctntgatt gttccgaaag tgcaatacta gctggaatgg 420
 gcactgcaat acctcacttg gaggaccatc tgttcctttc tttga 465

<210> 15380
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 15380

agctntgagc caattcaaac gacaataact ttttactcgg atgtctgatt cagtcocgta 60
 atatctcgag accctcaaaa tgaatgttg aacctctgag caaatgcaaa cgaataataat 120

tttttcttgg atgttttttt gagtcccgta atatctcgac acgtctgaaa ttgaatgttg 180
 aagctctgag caaattcaaa cgataataac tttttactcg gatgtctgat tgagtgtgtg 240
 aatatatcga gagctcaaaa attgaatggt gaacctctga gcaaatgcaa acgacaataa 300
 tttttcttgg atgttttttt gagtcccgta atatctcgac acgtctgaaa ttgaatgttg 360

<210> 15381
 <211> 123
 <212> DNA
 <213> Glycine max

<400> 15381

tctgaagttt cttttggtga aggaaccatg gaaaagcaga ggttttgaa tggtttaacc 60
 aattttctgag aactgttggg ggatgctgaa aacgagatta tcacgaatat ataagtttga 120
 atg 123

<210> 15382
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15382

agcttgtgct cctgattgtc caaaaactgt ggcttcgtaa tttgcagcag aattgcagaa 60
 aatgccttga agtagcactt cagaaaattt aagtactcag cagtgtgagc tatctcaaga 120
 ctatccctaa cctccatcac catctgcagt cttgcgggaa tcgtgtttt caaccagaaa 180
 cacaaaaaca aaaacaaaaa aattaagcaa aaacaaaaa ctaaattgtc aaacaacgaa 240
 tactgaaagc acttaaatgc caatacatca caggcatagt tgaatccatt ntctacgac 300
 aaaagaacat ganaataagc actaaatgta naaacaacaa aaactggaag tgcttaaatg 360
 tcaatacaac agaggcatan gtgaatccat 390

<210> 15383
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15383

tgccattcac tngnaactttt atattattctt attctattaa gtttttntta gaagattggt 60

atattattctt attctattaa gtttttntta gaagattggt
 atattattctt attctattaa gtttttntta gaagattggt

aggttgaagt caattccgaaa tngttccatt gtttccaaat ttattttagt aattattggt 310

tggttaataa ggtctctccc cttattggat tattattaga tcaactctga ttgtgtaatc 360

ttataatttc acgtctctaaa tatntttttt ccacgtgaaa atagtgtatg agagagctca 420

tattaattag taatgtgatt agagtanaac atatatgtag aggat 465

<210> 15384
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15384

agcttgatag gttcaagtgc aggtgctgct actggtggag gcacttcaat ttgcttgaaa 60

aggggtntga atttgaattt tgaacatgta atcgattacc atatgtctgt aatcgattac 120

cagcaacgaa actcctgata ttcaaattca aaagtcatga ccttccaaat tataactgtg 180

taatcgatta tacagacatt gtaatcgatt accagtgaag agatttcaga aaatctgtca 240

acagtcacat attttcattg gatttatgaa tggccatcaa aggcctataa ataggtgact 300

tngtctcgaa ttntatgaga gagtnttgcg ggtccaaaat gtcttatcct ctcanaagaa 360

aatgagagag attccaagag aacttcattg ccaaagtctc tctcaagaag tct 413

<210> 15385
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15385

agcttghaag ataacaggtg attganattt tttttttaa aaaagctaaa gcattactct 61

tctctgtagat tctgtagogaa ggaaatctac acaaactctg cytcaccta accgcttccc 120
 gttcatgact ttcategccc gagcagcagc atccagattg agaaactcaa cacacgcagt 180
 ggcggggtct ataaagaact taaaatcttc aatcttaccg aatttgcgaa attccgcttc 240

<210> 15336
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15336

agctctotata caaggcttct tcttaatttc tctacaattg catcacctct caatgagctg 60
 gtgaagaaga atgtggcatt tacctgtggt gaaaadacaag agcaagcctt ttctttgctc 120
 aaagaaaagc ttactaaggc acctgttcta gctcttctg actttttctaa aacttttgag 180
 ctagaatgtg atgcctcttg agtgggagtt gyagctgtat tgttacaagg tgggcaccct 240
 atttcttatt ntagtgaana acttcatagt gccgccctca actaccccac ctatgataaa 300
 gagctttatg ccttaataag agccctccan acttgggaac attaccttgt ttccaaggaa 360
 ttgtctatc atagtgatca ttaatcactt aagtacatta gagggcaaaa caagttaaac 420
 aagaggcatg cataatgggt 440

<210> 15387
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15387

agcttagagt ttctggtagt tcatataata ctgtttctat tctctccaag ctcataatct 60
 ccaaaaacga ggtcttagg gcaacctca caatttcaat accttttggg tctgaactc 120
 gtgcgtcgcc ttaatgact agttcggagt tagagtctgc accacatttt attataaatg 180
 gtgaggacga gctgtatca aattggagta cattccactg tgcacgca gtttcagatc 240

gagagcccag atctgttgat ggcttgcyac catgaganat atcttgaatg gngtcatttt 300
 cttcaggaat tgactgtatg ataacaaaat aaaggatttg ggcacaaaag aaaatcaatc 360
 canattcatt ntcattcagt cagttcttta gcatataact aagctatagt cacaaacaga 420
 caattatatt

113> Glycine max

<223> unsure at all n locations
 <400> 15388

agctctgagc ttttcatac gacaataact ttttactcgg atgtctgatt gtgtctctga 60
 atatatogag ttgtctgaaa tggaattccg aagctctgag canattcaaa cgacaataac 120
 ttttactcgg gatgtctgat tgagtcctgt aatatatoga tttgtctgaa atggaattcc 180
 gaagctctga gcaaaattcaa acgacaataa ttttttactc ggatgtctga tttagtcttg 240
 taatatatog agcttctcga aatggaattc cgaagctcgg agcanattca nacgacaata 300
 attttttact cggatgtctg atttagtctt gtaatatatc gactgtctcg aaatggaatt 360
 cgaagctctg gagcaaatc aaacgacaat aactttttac tcggatgtct gatttagtcc 420
 tgaatatat cgagattct 480

<210> 15389
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15389

agcttcttat tactcttggt cactaggcca caagatcaac taggtctctaa taattctctt 60
 aacctagggt ggtgactcac tctttagacc gataattctt ttaattcatac tcttaaaaga 120
 gcaaacaaaat ttctaattta taaaatatat ctttaattct aaacaacatc ctanaagtaa 180
 gacaatatct ttttttaaat ctacataata tcttagagat ttaaaattat aaattttaat 240
 tatttctctaa cgttatgac aagattatag attggtctatt tagccatgga ttgattgcca 300
 agacaatatt actattgaag gagaaatttt ttttaaaaaa taactatgat tccacatttt 360

aatcataata atttaattta aatattcttt aattnttaat tcttggttct cttctacacg 420
aataaatac 428

<210> 15390

<211> 15390

agcttgctaa accatggaag ttctaatat ctccacatt ttttggggtg ggccattctt 60
ggatggcctt gattntctta gggctccactt ggaacacatt tttacaaact acaaacccaa 120
agaaatacac aaaaggtaca cttctctata ttgcataga ggggtgtttt cctaaggact 180
gaatgaactt gcttgagatg tcttaagtga tcatctangc tcttgetgta cactaaaata 240
tcataaaaat aaaaaactac aaatctacct atgaaatccc ttaagacatg atgcataagc 300
ctcataaagg tctttggtgc attagtgagc ccaaaaggca tcaatagcca ttcatacaaa 360
ccanacttgg tcttgaaagc agttttccac tcatcacctt tntcatcct gattnggtga 420
taaccacttt taagatcaat t 441

<210> 15391

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15391

agcttggttat gtcacattct aaggccacat acgttggttat atatttcttt catatataaa 60
tatattatat atatttaata atcatctaac aatcatttat atcactcacc ataaatcata 120
tttgatataa tntaagaat aattatcata aaaattaata aatctatcat acatgatata 180
attaaataat aatatataat tattttacac tatcaataca taatctattt tatcatatta 240
tattatgccc ccataatata tttatactct ttccagcgg gcacacttaa ttctggtttt 300
caatagacat gaggatcagt ggacgtgcgg aataagtgtc attccctaac tctcaggaaa 360
cagccatata tatcgcatg atccaaacta tcatatctat 420

<210> 15392

<211> 271
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15392

gagcttgcctt tagttgtcca ggaaggacaa ggcagccgaa ggaactagtt ccgctccgga 60

gtagtacagt caccgcttta ggagcgtgt acaccagcag cgttcgagg ccataaggg 120

gataattacg ggaattcaat agactataga gaaatcaatt attgtcgttt gaatttgcctt -

agagtttcta tattcaattt cgagcgtttc gatataattac gggactcaat cggacatccg 240

agtaaatagt tattgtcagt tgaatttgc c 271

<210> 15393
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15393

agcttgcctt tagttgtcca ggaaggacaa ggcagccgaa ggaactagtt ccgctccgga 60

gtagtacagt caccgcttta ggagcgtgt acaccagcag cgttcgagg ccataaggg 120

atgggtcgttt ctccgggagc gacgcgtcca gtcagggac gacgagtata ctgatttcca 180

ggaggaaata gctctacgga gttttaaaag attggctaag attttgttaa aacataagca 240

cttagacaat gaaggaaagc tggagttgct gcacatgatg tccaacgtta tgtcaaggaa 300

taagatcggg ctgcacaatg cacaaggcaa gataaaatgt caaatgaaga attgaagttg 360

caggatccac gatgtcggat acaatgtcct gacatcctgc ccganaatac tggagttgct 420

gacaatgcat aagtcaagat a 441

<210> 15394
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15394

agctntgctt ctacacaaat gattaaatgc atganaaaca aactaagata acagaaatta 60

taattggggtt gctcccagg aagcacttc taaacutcat tagcttggca cttttacctc 120

[illegible]

gacagtggct gctctttcca tctctttctc gacttcttcc tctttaagca atgcagtaaa 300
 ctgggtatcc aaggatttcc ccgagctag ccaggcagat acaatcagca gaagtattcc 360
 tcccaagtat ggggttgaat tagctagtga cccaaaagtc aagatcataa attgctggat 420
 cctctctt

<213> Glycine max

<400> 15397

agcttctggt tccaatttcc aggtctctga tctttaagc ggtctctatc gacatccgag 60
 ttaaaagtta ttgtctttg attttcttaa gagcttccct tttcaattac gagcgtctcc 120
 atatattacg ggacacaatc ggacacccga gtaaaaagtc actgtctgtt gaattttctc 180
 agagcttcta tttcaatta ccagcgtctc gatataattc gggactcaat ccgacatccg 240
 ggtaaaaagt tattgtctgt tgaattttct cagagcttat gtttcaatt acgagcgtcc 300
 tgatatatta cgggactcaa tcggacatcc gactcaaaag tttttgtcga ttgaatttgc 360
 tcagagcttc tggtttcaat taagagcgtc ctcattgatt aactggactt catcggacat 420
 ccg 483

<210> 15398
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 15398

agcttgacat tcatataaaa ccttataact aagctgatta ctatatatta gatcgaactt 60
 agcgaaaaga atcaaaaagc gaagcagtgt atgtattgaa tcggatccgg gttacacca 120
 tctcttcgat gatgcacctt tcgcgaaaagc gaattatctg ctaatatata taatttggag 180
 ctaaaagtcg acagtttgtg gaaaaacgca atagcaacaa acgcgcgaaga tgaatcaaac 240
 aagcccaaaa ccaaatctct agaaaaattc attcagacct aagctaagaa cccaattctc 300
 aaaatattaa aatagactag aacccaactt gtaaaaaggg gtgttgcgag aatcgaactc 360
 ggcacctctc gcaccogaag ccgaatcat accactagac cagacacctt atacaaattc 420

t

421

<210> 15399
 <211> 430
 <212> DNA
 <213> Glycine max

agtttcaata ttttttcaaa tgaattttaa tttttctta tttttctat tgaatttga
 aacatataga gacattcgaa attgactaga gaagctctga gcaaattcaa atgataataa 110
 gtaattgaatt ggatttttoga ttgaatcccg taatatatcg agatggtoga agttgaaaat 180
 ggaagctcat aaaaaatgaa aacaataata attggttaact ctgatgtccg attgagtccc 240
 gtaatatata gagaagctgg taatggaaaa cagaagctca tagaaaatgc aaatcacaat 300
 aaattttaac tggatgacc gattaagtcg tgtgacatcc tggaaatttc taaccggaa 360
 ttttgtaaat ggtgcatttc gaatggetat atatataagt attattcagt ggatgtatat 420
 aagtatatat 430

<210> 15400
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15400
 agctttctca tgttttaagt tcttctcan aactgtccta agcaaagttc ccaatgtcct 60
 attagcaact tccatttgcg catcggttta tgggtgacaa gtggttgaaa ataacaattt 120
 agtgcccaac ttgcccaca tagtctcca aaaatgactt aggaacttaa gtccctatca 180
 ctaacaatgc tccctggaaa accatggagt ctccacaatct ccttgaaaaa caaatcagcc 240
 acatgggaag catcatcaac tntttacat ggaataaaat aagccatttt agaaaaacca 300
 tcatagacc acaaaatgga gtctctacca ctgcttggtt ttggcagccc tataacaaaa 360
 tccatggata aatcaatcca ngyatactcc ggaattggca atggagtata caatccatg 419

<210> 15401
 <211> 384
 <212> DNA

aataatotta agagggatag gcttagaata cagaagaaac aacaacaatc aatttaacaa 120

tgttttttan acatgcaaga cacaattgat tgcaacaaaa taaataagat aaggggaagag 180

agaatgcaaa cagagtnta tattgggttcg gccacaaccg gtgcctacgt ccagtactca 240

ggttctctta cagagcttga cttacttcg taaatttga ttatggttga cagagcttga

ggttctctta cagagcttga cttacttcg taaatttga ttatggttga cagagcttga

ggttctctta cagagcttga cttacttcg taaatttga ttatggttga cagagcttga

aatgaagatc atgt 454

<210> 15404

<211> 384

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15404

ttatcttatg ttcttaacat ctacaataga cctcctcaac ctcagtagca aaatcagcca 60

caacagaata attatgacct ttccagcaac aggtacaatc ccgagtggag gaatcatccc 120

aaccttaaat ggttgaatcc ttaacaacag caacaacaac aaccttattt taaaaatgat 180

gttggcctaa gcagaccata cgttcctcca ccaatctagc agcaacaaca acaacagctt 240

cagaaacaac aaacagttga ggctccttcg cacttccct tgaagaactt gngacgcaca 300

tgactatgca aaacatgcag tttaacaag agaccagagc ctacattcag agctttacta 360

atcagatggg acaattggct acac 384

<210> 15405

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15405

agctttgagt ttattcaaac gacaataact ttttactcgg atgtctaate gagtccagta 60

atatatcgag agcttcgaaa ttgaatgttg aaactctgag ctgattcaaa cgacaataac 120

tttntactcg gatgtccgat tcagtgaagt aatatatcga gacgctcgaa attgaatgtt 180

gaacctctga gccaatccaa acgacaataa ctttttactc ggatgtctga ttgagtcctg 240

aaatatatcg agacgggtcga aattgaatgt tgaacctctg aggcacatca aacgacaata 300
 acnttttaact cggatgtctg aatgagtcgc gtaatatatc gagacgctcg aaattgaatg 360
 ttgaagctat gagccaattc aaacgacaat aactntntac tggatgtctt gagtgaatc 420

<110> 15406
 <111> 485
 <112> DNA
 <113> Glycine max

<223> unsure at all n locations
 <400> 15406

ajctctctcga tatattatgc tectgaatca gactctcgtt tcanaagtta tgaccatctg 60
 aattctctcga ctgtattcgc tgtcacaagt gatgaccatt tgaattctct gatagcattc 120
 gtgtctcaat ttgagcgcgc tggatatatg atgcgcctga atcggaactc² cgtgtgacaa 180
 gttatgacaa ttgaatttg tggagagcat cggttgttag aattcgagcg tctcnatata 240
 ttatgcgcct gaatcagaca tccgtgtgac aagttatggc catatgaatn tctcgagagc 300
 atatcgttgt caatttcaag cgtctctata tagtctg 337

<110> 15407
 <111> 485
 <112> DNA
 <113> Glycine max

<223> unsure at all n locations
 <400> 15407

gctaataaat ctatatatgg ttaaacacag cccctgtcag tggttccttt tttttcatgg 60
 gnataattct ttatgtgggt gtaatgataa ccccatggat caatgcatat accacaaggt 120
 cagtaggagt aaaatatgtn gctctgtttt atatgtagat gatattttac ttgtagtcaa 180
 tgatcggggg ttgtacatg aggtgaaaca attctctctt aagaattttg acatgaagga 240
 tatangtgat gcatcttatg tcatcgacat taagattcat agagatagat ctcgaggtat 300
 ttggggctca tcacaagaca cctatatata caaaattcta gagagatata atatgaaaga 360
 tttctcaca agtgttgcta tcaattgtaa ggggtgtagg tttagtttga actaatganc 420
 aaagaatgac tctgagaggg acgaga'gaa acatattcat tatgtttcaa ttctcgacag 480

cctca

485

<210> 15408

<211> 484

<212> DNA

<213> Glycine max

caattatana aacttccatt ttggtatgat gacaaacctg atattcaatg aacataatg
atcttnttcc tagtcgatca ctacacttaat tctccatatt ctcccccttt gtttttgagt 120
ttaagettca ctgaaaatta agttatttaa ttatgtgagt tcttgattta attcctattn 180
tctttccccc ttggcagca acaaaaagcc aaagttcgta acaattataa aacatacata 240
aatgactaat catacacaag acattttattg aataatctaa accaatcatg aagcaaaaac 300
atgaataacc catattaata tataaaccac atagtcatat aacataatto ataaaaactt 360
atccatacta agcaaatagt ataagaagta ctagatgttc anatttcata ataatatagg 420
ccaatacatg actagaaatc tacagtctaa taatattaca cataatagac atctatgatg 480
atgg 484

<210> 15409

<211> 332

<212> DNA

<213> Glycine max

<400> 15409

agcttctaga tgagttatgt ctgctaatcg gacatcctcg tgaaagtat gaccatttga 60
atctctcgag tgcctccgtt gtttaatttc aagcgtctcg atattttatg tctcaaatc 120
agacatcgga gcgaaatggt atgaccatto gaattttgtcg agagcttccg tttttcaatt 180
tggagcgtct agatgagtta tgtcacggaa tcagacatct gagtgaatg gtatgaccat 240
tgaatttgt cyagagctat cgttggttcaa tgtcgagcgt ctagatgagt taggtcatcg 300
aatcggacat ccgtgtagaa aagttatgac ca 332

<210> 15410

<211> 378

<212> DNA

<213> Glycine max

tcctaagrat gatgtaaagg atggattaat atttagaana cagtaaattg atgattcctg 180

aaaattcagc totgagaaac aagaatttac aagaatttca tgacactata ataggggggc 240

atgcttgaag aacaaaaacc atggctagaa ttgtagtea attttattgg cctaaactgc 300

acaaacatac taagtccatc atcaaatctc gctatctc tctatctc cctatctc

gctatctc tctatctc cctatctc gctatctc tctatctc cctatctc

gctatctc tctatctc cctatctc gctatctc tctatctc cctatctc

<210> 15413

<211> 484

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 15413

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ttagaggtga ctntgagcgt tcgtttatgg aggagtcga gtcattttct gattattggt 120

ctcgagtatt ggcgtagtc aatcaactta aaagaaatgg tgaagatggt gatgaggtga 180

aagtcatgga aaaaataactt cgaacttta atccaagttt tgacttcatt gttaccaaca 240

ttgaagaaaa caaggattta aagaccatga ctattgagca actaatgggt tccttacaag 300

catacgaaga ataacaaacg agacaaatta aacaatagga ggctacggag caactactac 360

aactcaacgt ataggaagca aactatgcaa attacaagag ccaaacagga cgatgtcgt 420

gccaatatcg tggacgtgga cgaggacatg gatgagaatg aagatgtggt tacaacaacc 480

actc 484

<210> 15414

<211> 417

<212> DNA

<213> Glycine max

<400> 15414

agcttccatt gctcatttct tagcatctcg atatattatg cgccttaata ggacctccaa 60

gtgaaaattt atgaccattt gaattgctca agagcttcca ttgttcaatt tggagcgtct 120

cgatatatta tgcacctgaa tctgacctcc gaggtaaagg ttaagaccat ctgaatatct 180

taagagcttc cattgttcaa ttctgagcgt ctgatatatc aatagccttc aatcagacct 240

cggagttaaa agttatgacc atttgaattt ctagagagct tetgtgtgtc aatttcgagc 300
 gtttcgatat attatgtgcc tgaatcggac atccgagtga atagttatga ccatttgaat 360
 tgttcaagag cttccgttgt tcaatttcag cgttcgata tatatgggc tccaatc 417

<210> 15415
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15415
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 cctatgcaag ttgaaagcct tggaggaaag aggtatgcct atgggtgtgt ggatgatttc 120
 tccagatcta cctgngtcaa ctttatcaga gaaaaatcag acacctttga agtattcaag 180
 gagttgagtc taagacttca aagagaaaaa gactgtgtca tcaagagaat cangagtgar 240
 catggcagag agtttgaaaa cagcaggtct actgaattct gcacatctga aggcattcact 300
 catgagttct ctgcaaccat tacaccacaa cagaatggca tagttgagag gaaaaacagg 360
 actttgcaag aggetgctac ggtcatgctt catgccaaag aacttacctt taatctntgc 420
 gctgaagcca tgaacacagc atgctacaat cacaacagag tcacact 467

<210> 15416
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 15416
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 catcaatatg ttataacga ccatgcttta ctggattctt cgaagcttta atagcagagc 180
 tactatcaca acaaattaca gttagcttgg ttgtcatttt acacaatttt cccaacaccc 240
 ttttcaacca tatggcttga caagcacagc atgctgcacc tatgaactct gctctgttag 300
 ttgatagact cacaatttgg tgtttctttg atgaccaaga gacagcagct gaacacaata 360
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<210> 15417
 <211> 453
 <212> DNA
 <213> Glycine max

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 gaaacttttg ttctcatgaa ctcaaaaaga ttacagcct ctggtaacct acctgctttg 240
 cagtatgtat caatggcagt gttgtaagca taattgtcat gctatgacc cagtccaacc 300
 atttcttcca gtaatgtcat cctctagtc nggtgtctaa cctacacca cccataaacg 360
 aatataattat acgtctctgc attaggttg actggtttac tcattatctt atacagaagt 420
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<210> 15418
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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 gaagatgtcc agattgcaac tattggccac aaaattcgaa aatctgaaga tgaaggagga 180
 agagtgtatt catgacttcc acatgaacat tcttgatatt gccaatgctt gcactgcctt 240
 gggagaaaga atgacagatg anaagctggt gagaaagata ctacagatctt tgccaaagag 300
 acttgacatg atagtcacta caatagatga ggccccagac atttgcacaa tgagagtaga 360
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<210> 15419
 <211> 481
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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gaggttntt ctggttatat gcaaatcact attgctcctg aggatcagga gaagacggca 300

ttcaactgcc ccttcggcac ttttgccat aagaggatgc ctttcgggtct gtgcaatgcc 360

cttggtaact tccagcgggtg catgatgtag tagtttagtg atattttaga aaattgcata 420

gaggtgttta tggatgattt cactgtatat gaatctctt ttcataattg tttggatagt 480

c 481

<210> 15420
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
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gatatcttaa gaaggggggg gttgaattaa gatattcgaa actttttccc ctaattaaaa 120

atctatctta ctttntactt aagttatgaa ttcccttaat gacaatcttc ttaaataatta 180

attcaaatga agcaacttga atatgaatat aaagcaataa taaataaagg agattaaggg 240

aagagaaaaat gcaaactcag ttttatactg gttcggccac acccttgtgc ctacgtccag 300

ttcccaagca acccgcttga gagttccact aacttgtnaa ttccctttac aagttctaaa 360

cacacaagga ctaccctatc tttgtgttta gagattcttt acaacaagag actcacagtc 420

ttttaatccc ttanagaatg agaagaagaa gaggaacaaa tc 462

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 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 15421

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tcaatataat ttttttataa ttttttataa ttttttataa ttttttataa ttttttataa 180

ttttttataa ttttttataa ttttttataa ttttttataa ttttttataa ttttttataa 240

ttttttataa ttttttataa ttttttataa ttttttataa ttttttataa ttttttataa 300

ataattataa gatttatggg aaataaatat tcaaaatgaa nacaatatat ttttcaaggtg 360

tcaaatcgat tggaatattn ttttttttct accgcctaata chtaattccg aatatttaatt 420

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<210> 15422

<211> 393

<212> DNA

<213> Glycine max

<400> 15422

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ttaaacatcg gaaactctcg cgaaattcaa atggtcataa cttttcacac ggatatccga 180

ttcgggcaca taatatgtcg agaagctcga tattgaacaa cgaaagtctt ttagaaattc 240

aaatggctctt aacttttcac acggatgtcc gattcaggag aatcacatat cgagacgctc 300

aaattgagca acagaagctc ttgagaaatt caaatggtea taacttttca caggatggtt 360

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<210> 15423

<211> 347

<212> DNA

<213> Glycine max

<400> 15423

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tgtgtgcagc attctgggat gtaccagcc tttgatgaca gttttccagg ttctgtcttc 120

cagggatttg aggaacggca ccatctttgc tttccagtat tcatagtttg ttccatccaa 180